

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

Confidential Status Expired 2-7-95

Commenced Injection eff. 10-27-94

DATE FILED **SEPTEMBER 1, 1993**

LAND FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. **U-096550**

INDIAN

DRILLING APPROVED: **SEPTEMBER 7, 1993**

SPUDDED IN: **12-1-93**

COMPLETED: **1-7-94 POW** PUT TO PRODUCING: **1-7-94**

INITIAL PRODUCTION: **20 BOPD; 40 MCF; 10 BWPD**

GRAVITY A.P.I. **43**

GOR. **3**

PRODUCING ZONES: **4724-5043 (GRV)**

TOTAL DEPTH: **5698'**

WELL ELEVATION: **5529 GR**

DATE ABANDONED:

FIELD: **MONUMENT BUTTE/GREEN RIVER**

UNIT: **JONAH UNIT**

COUNTY: **DUCHESNE**

WELL NO **BALCRON MONUMENT FEDERAL #41-14J**

API NO. 43-013-31408

LOCATION **363' FNL** FT. FROM (N) (S) LINE.

600' FEL

FT. FROM (E) (W) LINE.

NE NE

1/4 - 1/4 SEC. **14**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	16E	14	EQUITABLE RESOURCES				

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgate Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Horsebench Sand 1450'	Dakota	Park City	McCracken
1st Garden Gulch 3750'	Burro Canyon	Rico (Goodridge)	Aneth
Yellow Marker 4383'	Cedar Mountain	Supai	Simonson Dolomite
Douglas Creek 4544'	Buckhorn	Wolfcamp	Sevy Dolomite
2nd Douglas Creek Mkr 4745'	JURASSIC	CARBON I FEROUS	North Point
Wasatch Green Marker 4921'	Morrison	Pennsylvanian	SILURIAN
Moab Basin Carbonate Mkr 5300'	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 []
FAX: (406) 245-1361 ✓

RECEIVED

SEP 01 1993

**DIVISION OF
OIL, GAS & MINING**

August 30, 1993

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

As operator, we hereby request that the status of the wells on the attached list be held tight for the maximum period allowed by State regulations.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Attachment



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 [J]
FAX: (406) 245-1361 [K]

RECEIVED

SEP 01 1993

August 30, 1993

DIVISION OF
OIL, GAS & MINING

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list. We plan to drill these four wells before the end of 1993. If you foresee any problem with that plan, I would appreciate it if you would give me a call.

Both archeology and paleontology reports on the wellsites and access road locations have been ordered and will be sent to you as soon as they are completed.

As operator, we hereby request that the status of these wells be held tight for the maximum period allowed by Federal regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

Balcron Monument Federal #41-14J
NE NE Section 14, T9S, R16E
Duchesne County, Utah
363.3' FNL, 600' FEL
FLS #U-096550

Balcron Monument Federal #12-12J
SW NW Section 12, T9S, R16E
Duchesne County, Utah
1980' FNL, 660' FWL
FLS #U-096550

Balcron Monument Federal #14-12J
SW SW Section 12, T9S, R16E
Duchesne County, Utah
660' FSL, 660' FWL
FLS #U-035521-A

Balcron Monument Federal #24-12J
SE SW Section 12, T9S, R16E
Duchesne County, Utah
539' FSL, 1777' FWL
FLS #U-035521-A

SFP | 1993

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. Federal #U-096550
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name n/a
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. Unit Agreement Name Jonah Unit
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division			8. Farm or Lease Name Balcron Monument Federal
3. Address of Operator P.O. Box 21017; Billings, MT 59104			9. Well No. #41-14J
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NE NE Sec. 14, T9S, R16E 363.3' FNL, 600' FEL At proposed prod. zone			10. Field and Pool, or Wildcat Monument Butte/Green River
14. Distance in miles and direction from nearest town or post office* Approximately 16.6 miles SW of Myton, UT			11. QG, Sec., T., R., M., or Bk. and Survey or Area NE NE Sec. 14, T9S, R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)	16. No. of acres in lease	17. No. of acres assigned to this well	
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.	19. Proposed depth 8,500' 5,700'	20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) 5,529.4' GL		22. Approx. date work will start* Upon APD approval	
23. PROPOSED CASING AND CEMENTING PROGRAM			
Size of Hole	Size of Casing	Weight per Foot	Setting Depth
See attached			

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

CONFIDENTIAL

SEP 01 1993

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signed: Bobbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: August 30, 1993

(This space for Federal or State office use)

API NO. 43-013-31408

Approval Date

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Approved by _____
Conditions of approval, if any:

Title _____

DATE: 9/7/93

BY: JAY Matthews

*See Instructions On Reverse Side

Spacing 649-2-3

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 09/01/93

OPERATOR: EQUITABLE RESOURCES
WELL NAME: BALCRON MONUMENT FED. 41-14J

OPERATOR ACCT NO: N- 9890

API NO. ASSIGNED: 43 - 013 - 31408

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LEASE TYPE: FED LEASE NO: 4-096550
LOCATION: NENE 14 - T09S - R16E DUCHESNE COUNTY
FIELD: MONUMENT BUTTE FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond \$80,000 SURETY
(Number 5578314 SAFECO INS OF AMERICA.)
N Potash (Y/N)
N Oil shale (Y/N)
Water permit
(Number _____)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

R649-2-3. Unit: JONAH UNIT
 R649-3-2. General.
 R649-3-3. Exception.
 Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: WATER SUPPLY TO BE NOTICED BY SUNDRY PRIOR TO SPUD.

CONFIDENTIAL
PERIOD
EXPIRED
ON 2-7-95

STIPULATIONS: _____

cc: Duchesne County Assessor
Bureau of Land Management, Vernal
Jim Thompson, Field Inspection Supvr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil

CONFIDENTIAL

3. ADDRESS OF OPERATOR
P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
NE NE Section 14, T9S, R16E 363.3' FNL, 600' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 16.6 miles SW of Myton, UT

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
16. NO. OF ACRES IN LEASE
17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,529.4' GL
22. APPROX. DATE WORK WILL START*
Upon APD Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "E" EVIDENCE OF BOND COVERAGE
- "F" SURVEY PLAT
- "G" RIG LAYOUT
- "H" BOPE DIAGRAM
- "I" EXISTING ROADS (Map A)
- "J" PLANNED ACCESS (Map B)
- "K" EXISTING WELLS (Map C)
- "L" CUT & FILL DIAGRAM

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE August 30, 1993
Bobbie Schuman
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

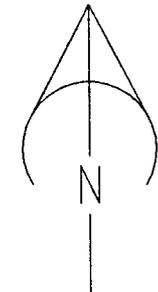
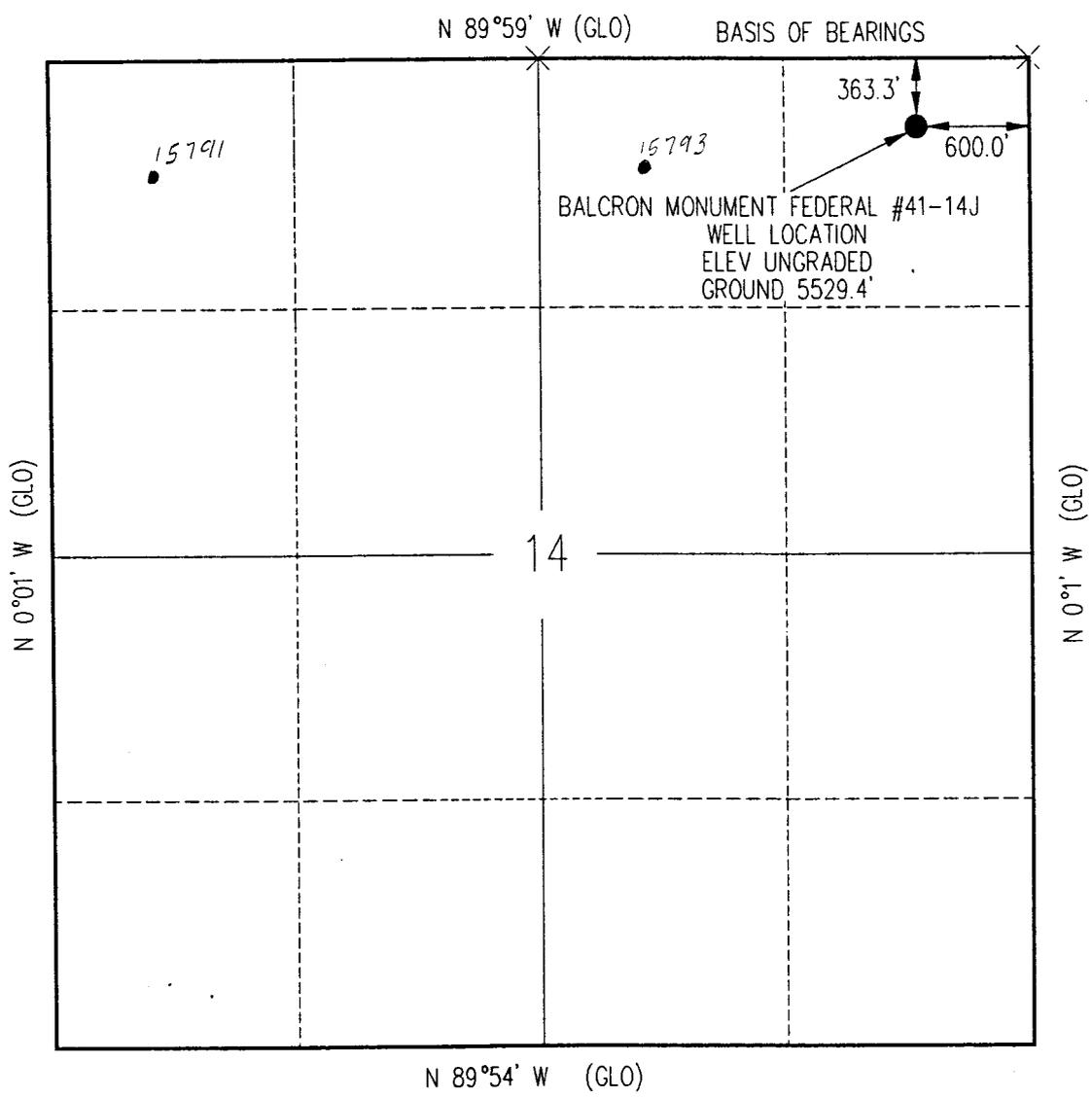
*See Instructions On Reverse Side

EXHIBIT "F"

T9S, R16E, S.L.B. & M.

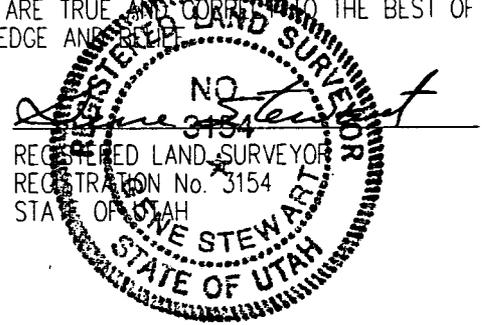
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #41-14J, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 14, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



1" = 100'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

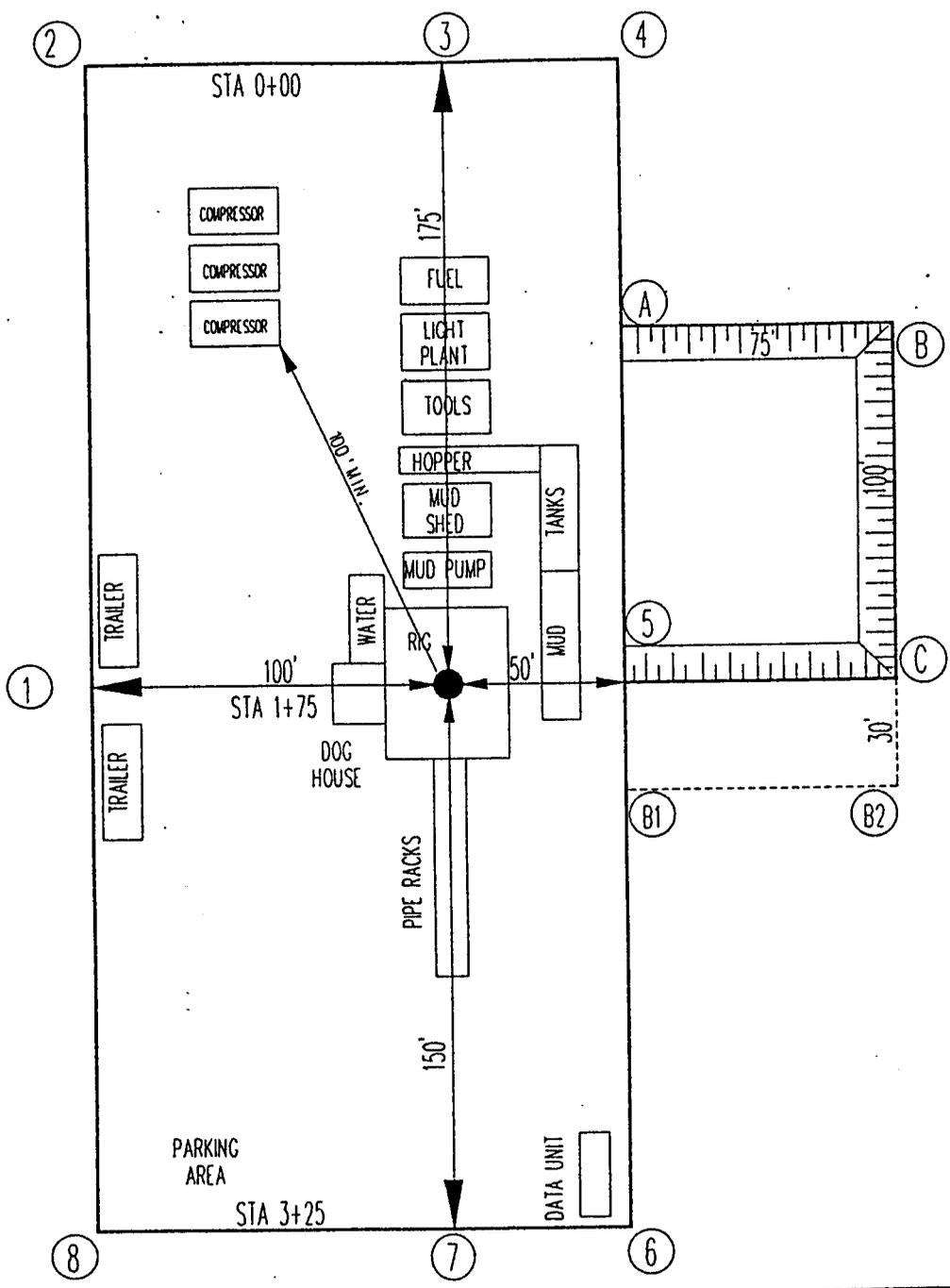


X = SECTION CORNERS LOCATED
BASIS OF BEARINGS; G.L.O. PLAT 1911
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WEATHER: CLEAR & HOT
DATE: 8/20/93
SCALE: 1" = 1000'
SURVEYED BY: GS QS
FILE: MF 43-15J



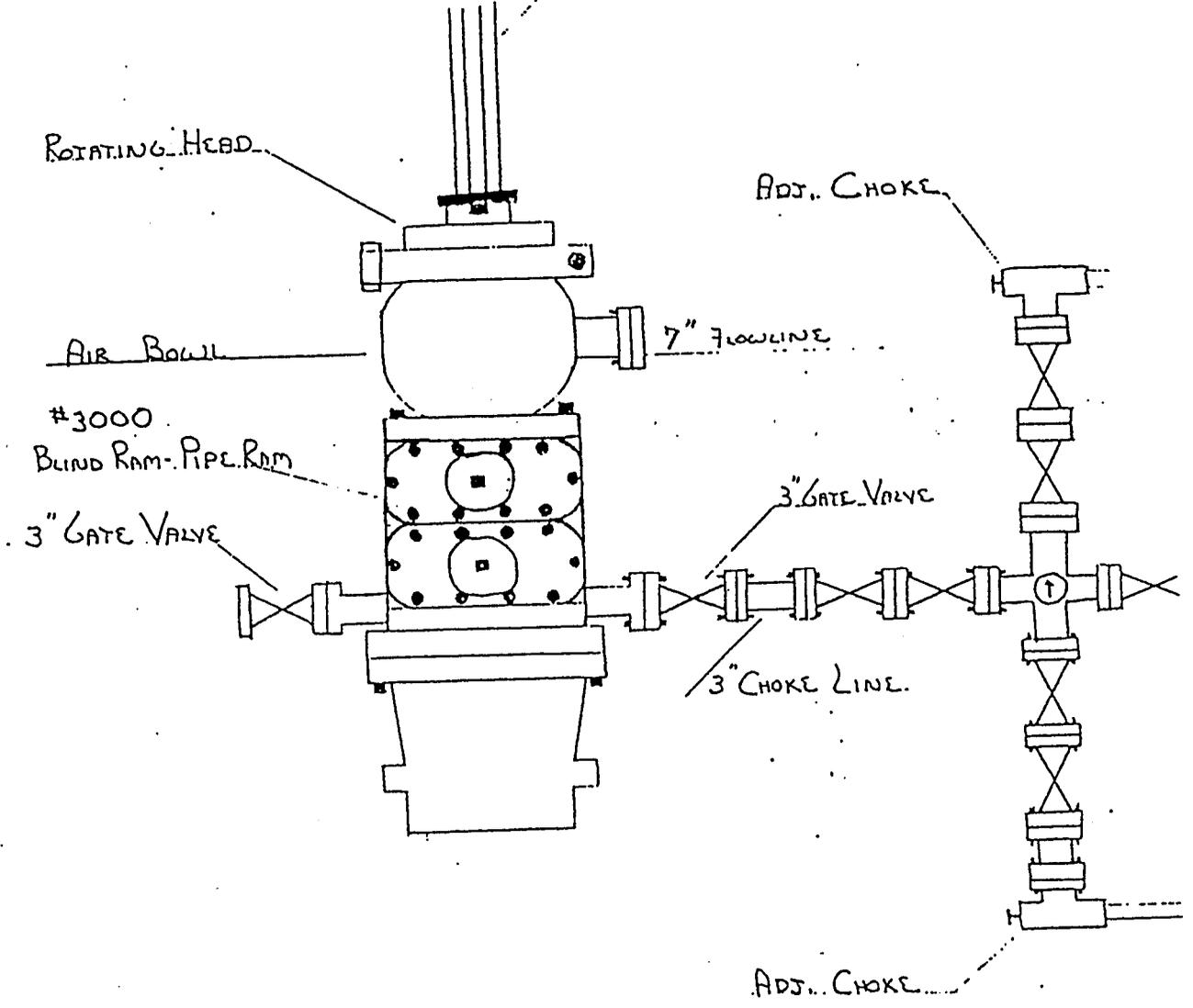
EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



113

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

UNION DRILLING RIG #17 Hex Kelly -



#3000 Stack

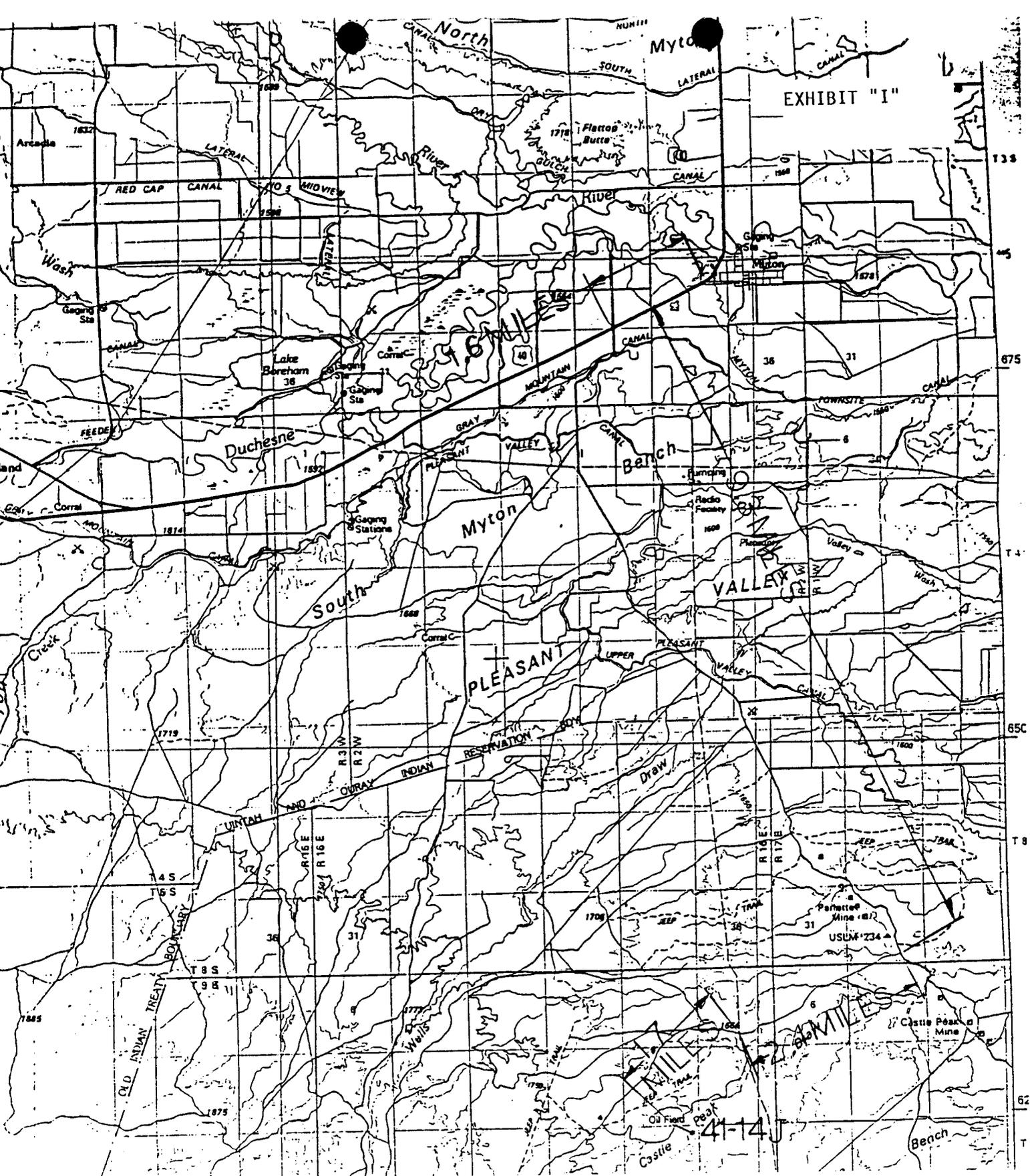


EXHIBIT "I"



EQUITABLE RESOURCES ENERGY CO.
 MONUMENT FEDERAL #41-14J
 MAP "A"

SEP 1 1993



TRI-STATE
 LAND SURVEYING, INC.
 36 WEST 100 NORTH, VERNAL, UTAH 84055
 801-781-2501

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #41-14J
NE NE Section 14-T9S-R16E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin prior to September 30, 1993.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
 BALCRON OIL DIVISION
 BALCRON MONUMENT FEDERAL #41-14J
 NE NE Section 14, T9S, R16E
 DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and four reference stakes are present. 150' & 200' East and 200' & 250' South
- B. The Monument Federal #41-14J is located approximately 16.6 miles Southwest of Myton Utah, in the NE1/4 NE1/4 Section 14, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 41-14J, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with Monument Butte Gas Plant road. Proceed West along said Gas Plant road 2.4 miles to road intersection. Turn left and continue 1.7 miles to Balcron well #41-14J access road sign. Follow flags 900' to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 900 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - None required.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and

shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.

3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.

D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

F. Any proposed pipelines will be submitted to the authorized officer via Sundry Notice for approval of subsequent operations.

G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah, or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the beginning of drilling operations.

B. No water well will be drilled on this location.

6. Source of Construction Materials

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

C. All surface disturbance area is on B.L.M. lands.

D. There are no trees on this location.

7. Methods of Handling Waste Materials:

A. Cuttings - the cuttings will be deposited in the reserve pit.

B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to help visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be located on the West side, and the flare pit will be downwind of the prevailing wind direction near corner #6. Access to the well pad will be from the North near corner #7. Corner #2 will be rounded to avoid a drainage. Corner #4 will be rounded to avoid excess cut.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind on the East side of location between corner #5 and corner #6, at least 100' from the wellhead and at least 30' from the reserve pit. This pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.
- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than

sixteen (16) feet.

3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the it as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic reinforced pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the

recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seeded will be prepared by dishing, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the following seed mixture:

Pure Live Seed (PLS)	Seed Mix
lbs./acre	
2	Russian Wildrye (<i>Elymus junceus</i>)
3	Needle-and-Thread Grass (<i>Stipa comata</i>)
3	Ephriam Crested Wheatgrass (<i>Agropyron cristatum</i> Ephriam)
1	Yellow Sweetclover (<i>Melilotus officinalis</i>)
2	Fourwing Saltbush (<i>Atriplex canescens</i>)
1	Forage Kochia (<i>Kochia prostrata</i>)

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

(a) re-establishing irrigation systems where applicable,

(b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and,

(c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte

oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 11 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

B. The surface ownership is Federal. The surface use is

grazing and petroleum production.

- C.
1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 2. There are no occupied dwellings in the immediate area
 3. An archaeological report will be forwarded upon completion.
 4. There are no reported restrictions or reservations noted on the oil and gas lease.
 5. A silt catchment dam will be constructed according to BLM specifications approximately 50' East of corner #8, where staked.

13. Lessee's or Operator's Representative:

Balcron Oil
a division of Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406)259-7860
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Field Superintendant Home (406)656-9719

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

August 30, 1993

Date

Bobbie Schuman

**Bobbie Schuman
Coordinator of Enviromental
and Regulatory Affairs
BALCRON OIL division of
Equitable Resources Energy
Company**

Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name BALCRON MONUMENT FEDERAL #41-14J Exploratory Control Well WALTON FED #34-11
 Location NENE SEC 14-T9S-R16E 363' FNL, 600' FEL Development X Operator DIAMOND SHMRCK
 County DUCHESNE Field JONAH UNIT KB 5545
 State UTAH Section NENE 14 Section SWSE 11
 Total Depth 5700 Township 9S Township 9S
 GL (Ung) 5529.4 EST. KB 5541 Range 16E Range 16E

Formation Tops	Prognosis		Sample Top		Control Well	High/Low		Deviation
	Formation	Depth	Datum	Depth	Datum	Prog	Cntl	
UINTA	<u>SURFACE</u>							
GREEN RIVER	<u>1459</u>	<u>4082</u>			<u>4077</u>			
HORSEBENCH SS	<u>2097</u>	<u>3444</u>			<u>3439</u>			
2ND GARDEN GULCH	<u>3753</u>	<u>1788</u>			<u>1783</u>			
Y-5 SAND	<u>4291</u>	<u>1250</u>			<u>NP</u>			
YELLOW MARKER	<u>4386</u>	<u>1155</u>			<u>1150</u>			
DOUGLAS CREEK	<u>4541</u>	<u>1000</u>			<u>995</u>			
R-1 SAND	<u>4582</u>	<u>959</u>			<u>954</u>			
R-5 SAND	<u>4735</u>	<u>806</u>			<u>801</u>			
2ND DOUGLAS CREEK	<u>4779</u>	<u>762</u>			<u>757</u>			
G-1 SAND	<u>4867</u>	<u>674</u>			<u>669</u>			
GREEN MARKER	<u>4926</u>	<u>615</u>			<u>610</u>			
G-4 SAND	<u>5040</u>	<u>501</u>			<u>NP</u>			
CARBONATE MARKER	<u>5397</u>	<u>144</u>			<u>139</u>			
TD	<u>5541</u>	<u>5700</u>						
	<u>5541</u>							
	<u>5541</u>							
	<u>5541</u>							
	<u>5541</u>							
	<u>5541</u>							
	<u>5541</u>							

Samples
50' FROM 1400' TO 3800'
10' FROM 3800' TO TD

DST,s
 DST #1 NONE
 DST #2
 DST #3
 DST #4

Wellsite Geologist
 Name:
 From: to:
 Address:

Logs
DLL FROM SURF CSG TO TD
LDT/CNL FROM 3600' TO TD

Cores
 Core #1 NONE
 Core #2
 Core #3
 Core #4

Phone # wk.
 hm.
 Fax #
 Mud Logger/Hot Wire
 Company:
 Required: (Yes/No) YES

Comments:

Type: TWO MAN
 Logger:
 Phone #
 Fax #

Report To: 1st Name: STEVE VANDELINDER
 2nd Name: KEVEN REINSCHMIDT
 Prepared By: K.K.REINSCHMIDT

Phone # (406) 259-7860 wk. 248-2778 hm.
 Phone # " wk. 248-7026 hm.
 Phone # wk. hm.

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area PROSPECT/FIELD: Monument Butte
LOCATION: Twn.9S Rge.16E & 17E
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE INTERVAL

=====

12 1/4" 0 to 260'
7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55

(All Casing will be new, ST&C)

CEMENT PROGRAM

=====

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- a.) Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- b.) Drilling will be done using 2% KCl water and gel.

COMMENTS

- 1.) No cores or DST's are planned.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight (9.63 ppg) : 0.500 psi/ft
 Shut in surface pressure : 2280 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	SFC TO TD 5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825			
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35	202	2.29 J

Prepared by : McCoskery, Billings, MT
 Date : 11-30-1992 (Revised 8/30/93)
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)



United States Department of the Interior

TAKE PRIDE IN AMERICA

BUREAU OF LAND MANAGEMENT
MONTANA STATE OFFICE
222 NORTH 32ND STREET
P.O. BOX 36800
BILLINGS, MONTANA 59107-6800

IN REPLY TO:
MTM 12619-A et al
BLM BOND NO. MT0576
(922.31)

April 25, 1989

NOTICE

Equitable Resources Energy Company
P. O. Box 21017
Billings, Montana 59104

OIL AND GAS

CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

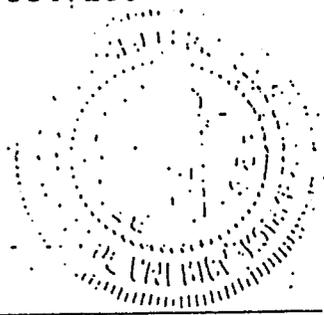
Cynthia L. Embretson
Cynthia L. Embretson, Chief
Fluids Adjudication Section

1 Enclosure
1-Exhibit A

cc: (w/encl.)
AFS, Denver (1)
All DMs (1 ea.)
RMO Section (1)
Regional Forester, Lakewood (2)
Regional Forester, Missoula (2)
Bureau of Reclamation (1)

Form 3104-8
(July 1984)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)
Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we
BALCRON OIL COMPANY
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and
SAFECO INSURANCE COMPANY OF AMERICA
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY THOUSAND AND 00/100-----dollars (\$ 150,000.00), in lawful money of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally.

- The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, issued or acquired under the Acts cited in Schedule A.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petroleum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Acts cited in this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:



SURETY RIDER

EXHIBIT "E" Page 3 of 4
SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
FIRST NATIONAL INSURANCE COMPANY
OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88
(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY, as Principal,
(PRINCIPAL)

and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,
(SURETY)

in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89
(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89
(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY
PRINCIPAL

By: _____ TITLE
SAFECO INSURANCE COMPANY OF AMERICA
SURETY

By: [Signature]
R. George Voinchet ATTORNEY-IN-FACT



No. _____

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VE HAR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

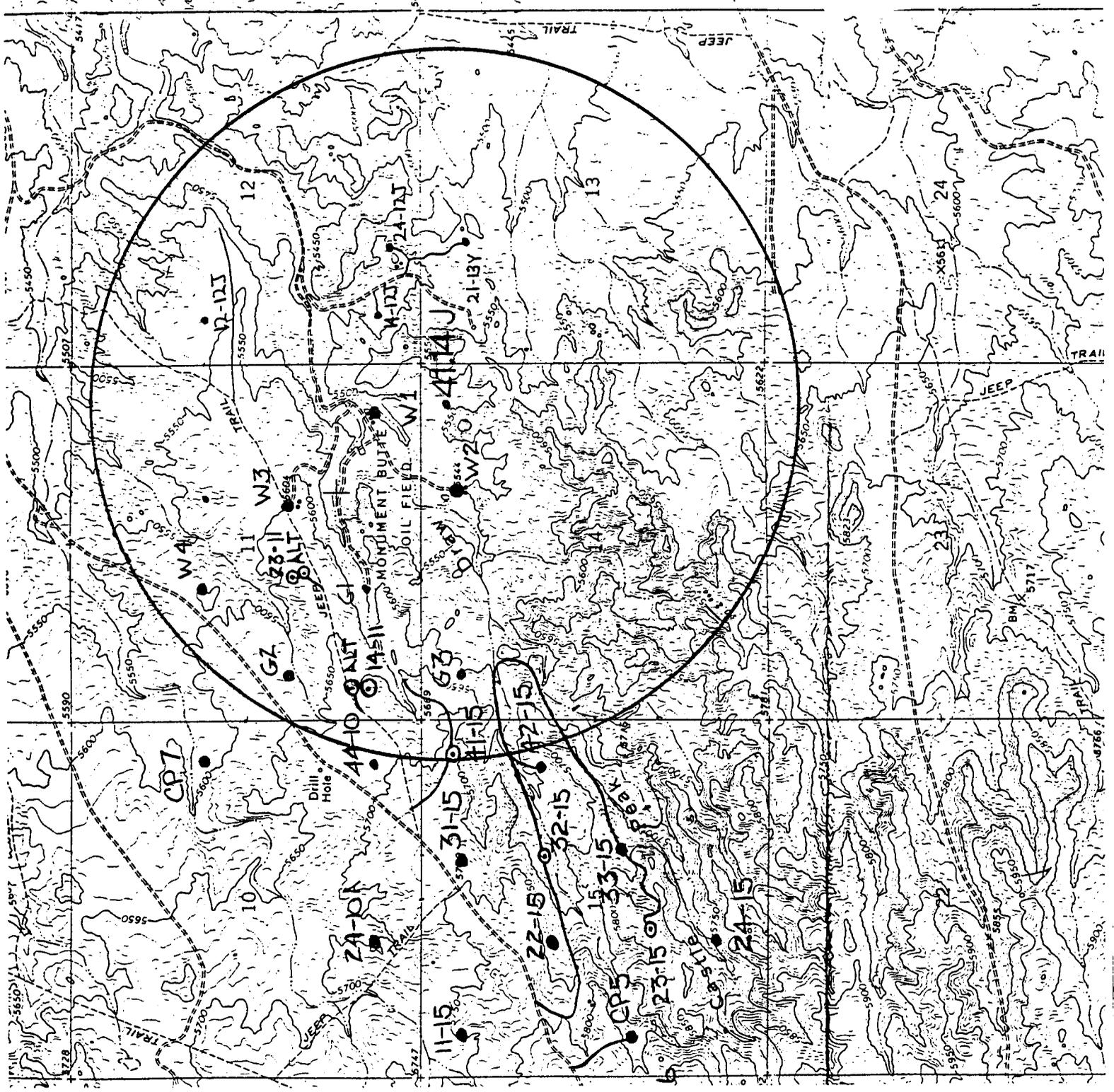
- (i) The provisions of Article V, Section 13 of the By-Laws, and
- (ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
- (iii) Certifying that said power-of-attorney appointment is in full force and effect,

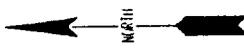
the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 10th day of April, 19 89.





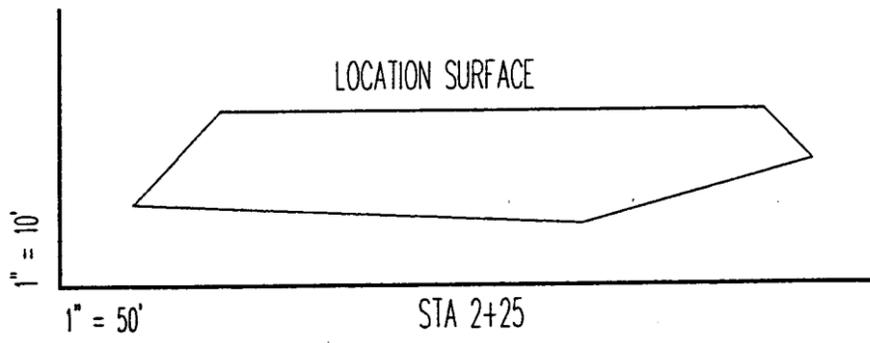
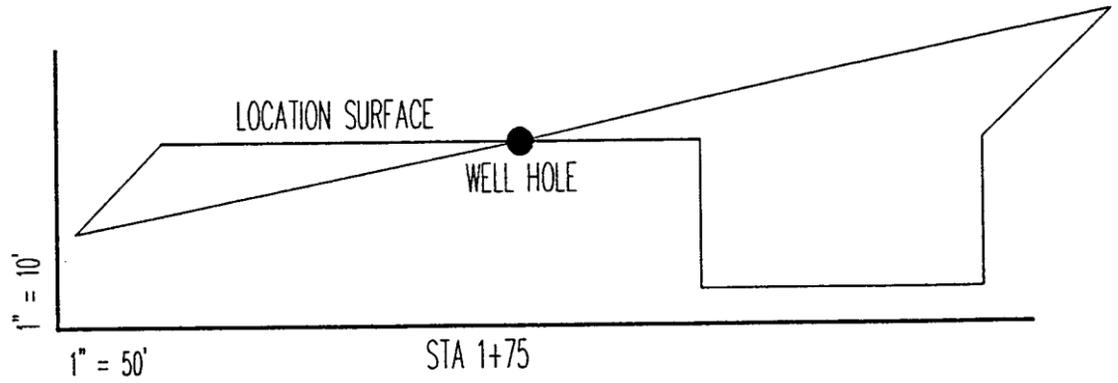
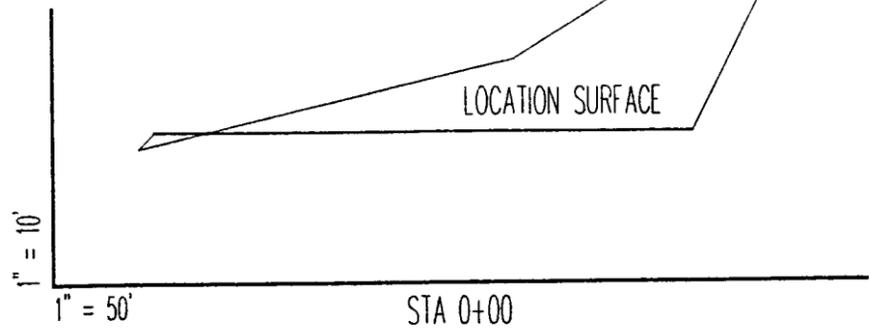
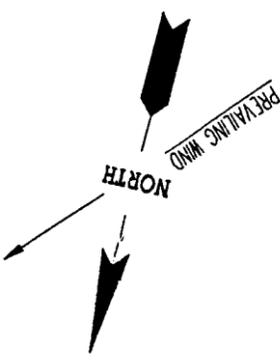
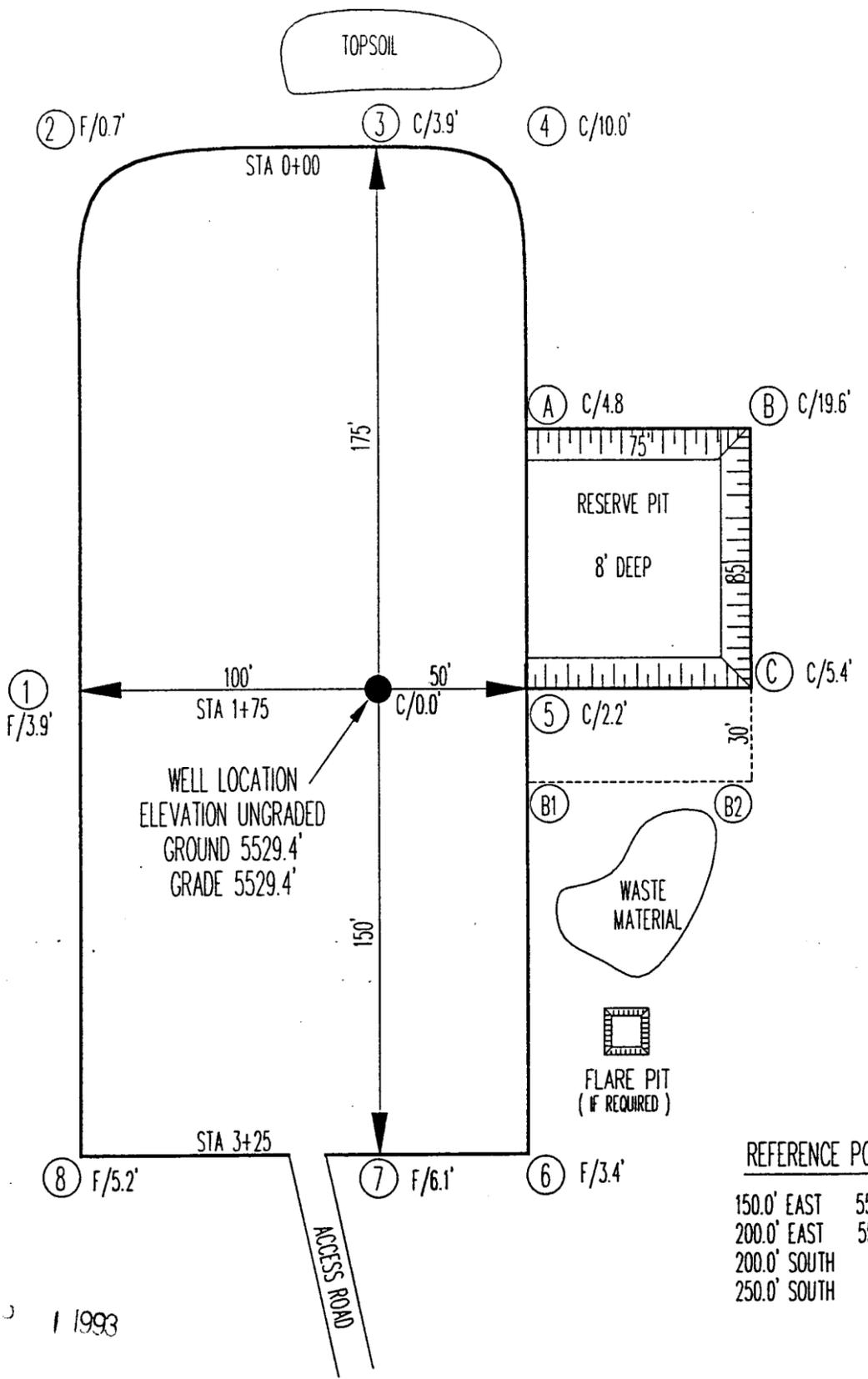
NORTH

EQUITABLE RESOURCES ENERGY CO.
 MONUMENT FEDERAL #41-14J
 SEP 1 1993 MAP "C"



TRI-STATE
 LAND SURVEYING, INC.
 38 WEST 100 NORTH, VERNAL, UTAH 84078
 801-781-2501

EQUITABLE RESOURCES ENERGY CO.
BALCRON FEDERAL #41-14J



REFERENCE POINTS

150.0' EAST	5524.5'
200.0' EAST	5526.3'
200.0' SOUTH	5536.0'
250.0' SOUTH	5539.0'

APPROXIMATE YARDAGE

CUT	= 4206' Cu Yds
FILL	= 2950' Cu Yds
PIT	= 1826.4' Cu Yds

1 1993

FILENAME 41-14J

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 7, 1993

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Re: Balcron Monument Federal #41-14J Well, 363' FNL, 600' FEL, NE NE, Sec. 14, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2
Equitable Resources Energy Company
Balcron Monument Federal #41-14J Well
September 7, 1993

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31408.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Duchesne County Assessor
Bureau of Land Management, Vernal
Jim Thompson, Field Inspection Supervisor
WOI1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NE Section 14, T9S, R16E
363.3' FNL, 600' FEL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. 41-14J

9. API Well No.

43-013-31408

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Archy report</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the Archeological Report which is to be made a part of our Application for Permit to Drill.

CONFIDENTIAL RECEIVED

SEP 13 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Debbie Schuman

Title

Coordinator of Environmental
and Regulatory Affairs

Date

(This space for Federal or State Office use)

Approved by

Title

Date

9-10-93

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



EQUITABLE **RESOURCES**
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

RECEIVED

SEP 13 1993

DIVISION OF
OIL, GAS & MINING

September 10, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #41-14J
NE NE Section 14, T9S, R16E
Duchesne County, Utah

Enclosed is the Archeology Report for the referenced well.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

CONFIDENTIAL

/rs

Enclosure

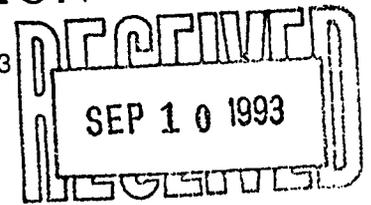
cc: Utah Division of Oil, Gas and Mining



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

September 7, 1993



Subject: CULTURAL RESOURCE EVALUATION OF FOUR
PROPOSED WELL LOCATIONS IN THE MONUMENT
BUTTES LOCALITY OF DUCHESNE COUNTY, UTAH

Project: Balcron Oil -- 1993 Development

Project No.: BLCR-93-5

Permit No.: Dept. of Interior -- UT-93-54937

State Project No: UT-93-AF-488b

RECEIVED

SEP 13 1993

DIVISION OF
OIL, GAS & MINES

CONFIDENTIAL

To: Ms. Bobbi Schuman, Balcron Oil Division, P.O. Box 21017, Billings, Montana
59104

Mr. David Little, District Manager, Bureau of Land Management, 170 South 500
East, Vernal, Utah 84078

Info: Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City,
Utah 84101

**CULTURAL RESOURCE EVALUATION
OF FOUR PROPOSED WELL LOCATIONS
IN THE MONUMENT BUTTES
LOCALITY OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-93-54937
AERC Project 1396 (BLCR-93-5)

Utah State Project No.: UT-93-AF-488b

Principal Investigator
F. Richard Hauck, Ph.D.

Author of the Report
Glade V Hadden

CONFIDENTIAL



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853

September 7, 1993

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of four proposed well locations situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 44.85 acres, of which 4.85 acres (.4 miles) include two separate access roads associated with units 41-14J and 21-15J. The remaining 40 acres involve 10 acre parcels at all four of the proposed well locations. These evaluations were conducted by Glade Hadden of AERC on September 3, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

One newly identified non-significant cultural resource activity locus (42DC 773) was discovered and recorded during the examinations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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GENERAL INFORMATION

On September 3, 1993, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved four proposed well locations and associated access routes located in the Monument Buttes area south of Myton, Utah. Some .4 miles of access routes (4.85 acres) and four - 10 acre well pads were examined. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments on these well locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

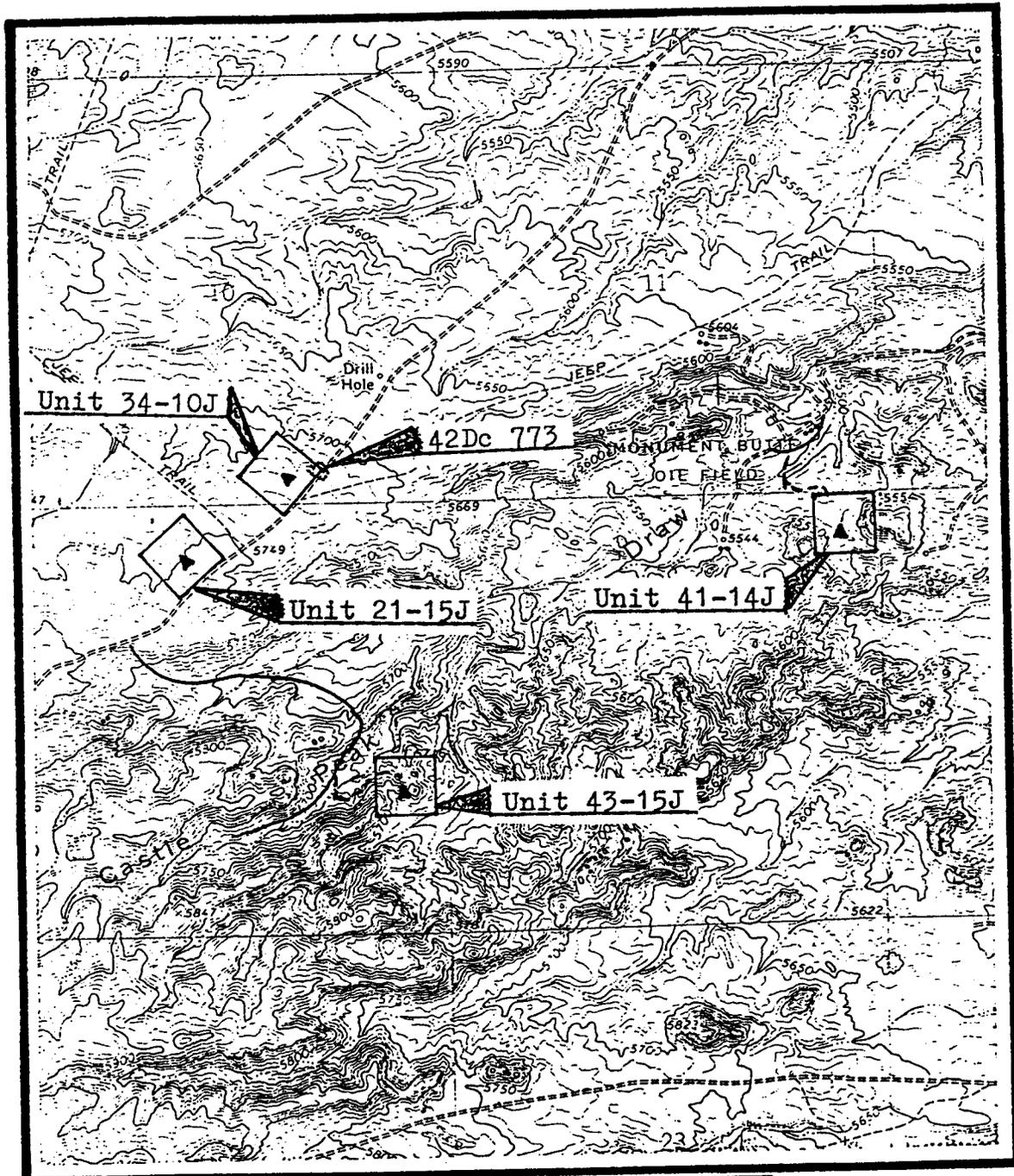
In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE 7.5 minute topographic quad.

Unit 41-14J is situated in the NE - NE quarter of Section 14, Township 9 South, Range 16 East. Its access route extends ca. .25 mi. north to an existing road (See Map).

Unit 34-10J is in the SW - SE quarter of Section 10, Township 9 South, Range 16 East. This unit is accessible via the existing Monument Buttes road which extends westerly across the SE corner of the section (See Map). The well location is directly adjacent this road, so no separate access route is necessary.



T. 09 South
 R. 16 East
 Meridian: SL
 Quad: Myton SE
 Utah

MAP
 Cultural Resource Inventory
 of Proposed Balcron Well
 Units in the Monument Buttes
 Locality, Duchesne County Ut

Legend:

- Well Location 
- Access Route 
- Existing Road 
- Cultural Site 



Project: BLCR-93-5
 Series: Uinta Basin
 Date: 9/7/93

Scale: 1:24,000



Unit 21-15J is located in the NE - NW of Section 15. This unit is reached via the same existing road (Monument Buttes access road) as the previous unit. This road runs southwesterly across the NW quarter of the section. (See Map). The well location is directly adjacent to the road, so no separate access route is necessary.

Unit 43-15J is situated in the NE - SE of the previous section (Sec. 15). This unit is accessible via. an existing road which connects the Monument Buttes road with the bottom of Castle Peak Draw (See Map.). A ca. .15 mi. access route leads east into this location.

Environmental Description

The project area is within the 5400 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus spp.*, *Artemisia spp.*, *Eriogonum spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on August 23, 1993. A similar search was conducted in the Vernal District Office of the BLM on August 25, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and

extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 15 meter wide transects over a ten acre pad around each well location center stake. In addition, each access route was inventoried by the archaeologist walking a pair of 10 - 15 meter transects on each side of the flagged access route. Thus, a 35 meter-wide or 100 foot-wide corridor (ca. 4.85 acres) was examined for the total ca. .4 mile length of proposed access routes.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

One prehistoric cultural resource activity locus was observed and recorded during the archaeological evaluations. Site 42DC 773 consists of a non-significant open occupation area and associated lithic scatter. The integrity of this site has been almost totally destroyed by vandalism, collectors, and road blading activities. No diagnostic tools or buried deposits were found within this site.

No previously recorded sites are located within the proposed development zones.

No significant or National Register sites were noted or recorded during the survey.

No isolated artifacts were recorded or collected during the evaluations.

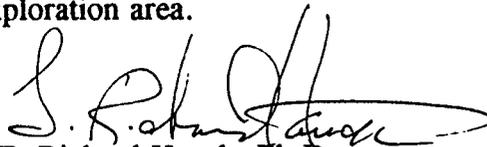
No paleontological loci were observed or recorded during the evaluations.

CONCLUSION AND RECOMMENDATIONS

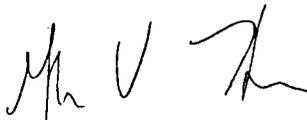
No known significant cultural or paleontological resources will be adversely impacted during the development and operation of the Balcron Oil Company well locations evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments proposed on these well locations based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator



Glade V Hadden
Field Supervisor

REFERENCES

Hadden, Glade V

- 1993 Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.

1993a Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Polk, Michael

1982 Cultural resource inventory of NGC Well No. 12-8h. Report prepared by Sagebrush Archaeological Consultants, Ogden.

Norman, V. Garth and F. R. Hauck

1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___

Summary Report of
Inspection for Cultural Resources

Comments: _____

F O U R W E L L L O C A T I O N S I N T H E
M O N U M E N T B U T T E S L O C A L I T Y

1. Report Title

Balcron Oil Company (BLCR-93-5)

2. Development Company _____

3. Report Date 0 9 0 7 1 9 9 3
4. Antiquities Permit No. _____ UT-92-54937

5. Responsible Institution A E R C B L C R 9 3 - 5 D i s t r i c t
County _____

6. Fieldwork 9 S 1 6 E 1 0 1 4 1 5
Location: TWN RNG Section. . . | . . . | . . . | . . . |

7. Resource
Area TWN RNG Section. . . | . . . | . . . | . . . |
. D M .

8. Description of Examination Procedures: The archeologist, G.V. Hadden intensively examined the proposed well locations and access routes by walking a series of 10 to 20 meter-wide transects in a 100 foot-wide corridor centered on the flagged access route center-line stakes, and by walking a series of 10 to 20 meter wide transects across the ten acre well locations.

9. Linear Miles Surveyed . 4
and/or
Definable Acres Surveyed
and/or
Legally Undefinable 4 4 . 8 5
Acres Surveyed

10. Inventory Type I
R = Reconnaissance
S = Statistical Sample

11. Description of Findings: One non-significant archaeological site was identified and recorded during this survey. Site 42DC 773 is a non-significant open occupation and lithic scatter.

12. Number Sites Found .1. (No sites = 0)

13. Collection: .N.
Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:
The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 8-23-93 Vernal BLM 8-25-93

16. Conclusion/ Recommendations:
AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for this proposed development based on the following stipulations:

operations should be confined to the existing roadways and/or evaluated access routes.

2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

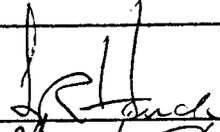
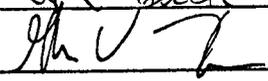
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field
Supervisor

BALCRON OIL

43-013-31408

Balcron Monument Federal #41-14J

NE NE Section 14, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

SEPTEMBER 26, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #41-14J

Description of Geology and Topography-

This location is about 11 miles south and 1 mile west of Myton, Utah. It sits about 1/4 mile south of Castle Peak Draw, on the west side of a small flat bottom draw. Ridges to the west and east rise 80 to 100 feet above the wellpad. Drainage is to the north. Rocks in the immediate area of the proposed access road and wellpad are composed of interbedded mudstone, and sandstone.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains.

Paleontological material found -

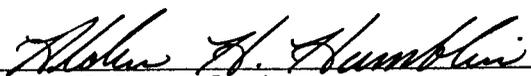
There are a few scattered turtle shell fragments in the slope wash at the foot of the hill at the southwest corner of the well location. No fossils were noted coming out of the hill, so this material may be from the green-gray or light brown mudstone layers seen at the foot of the hill. One small piece of crocodile jaw (.5 X 1.5 inches) was also found in this general area 40 yards south 30 degrees west of the center stake, just outside the staked area.

The wellpad has an occasional weathered turtle shell fragment, which appears to have washed off the ridge to the west.

No fossils were found in bed rock exposures along the proposed access road, but a few scattered pieces of turtle shell were observed in the wash bottoms, which have been carried there from an uphill position somewhere.

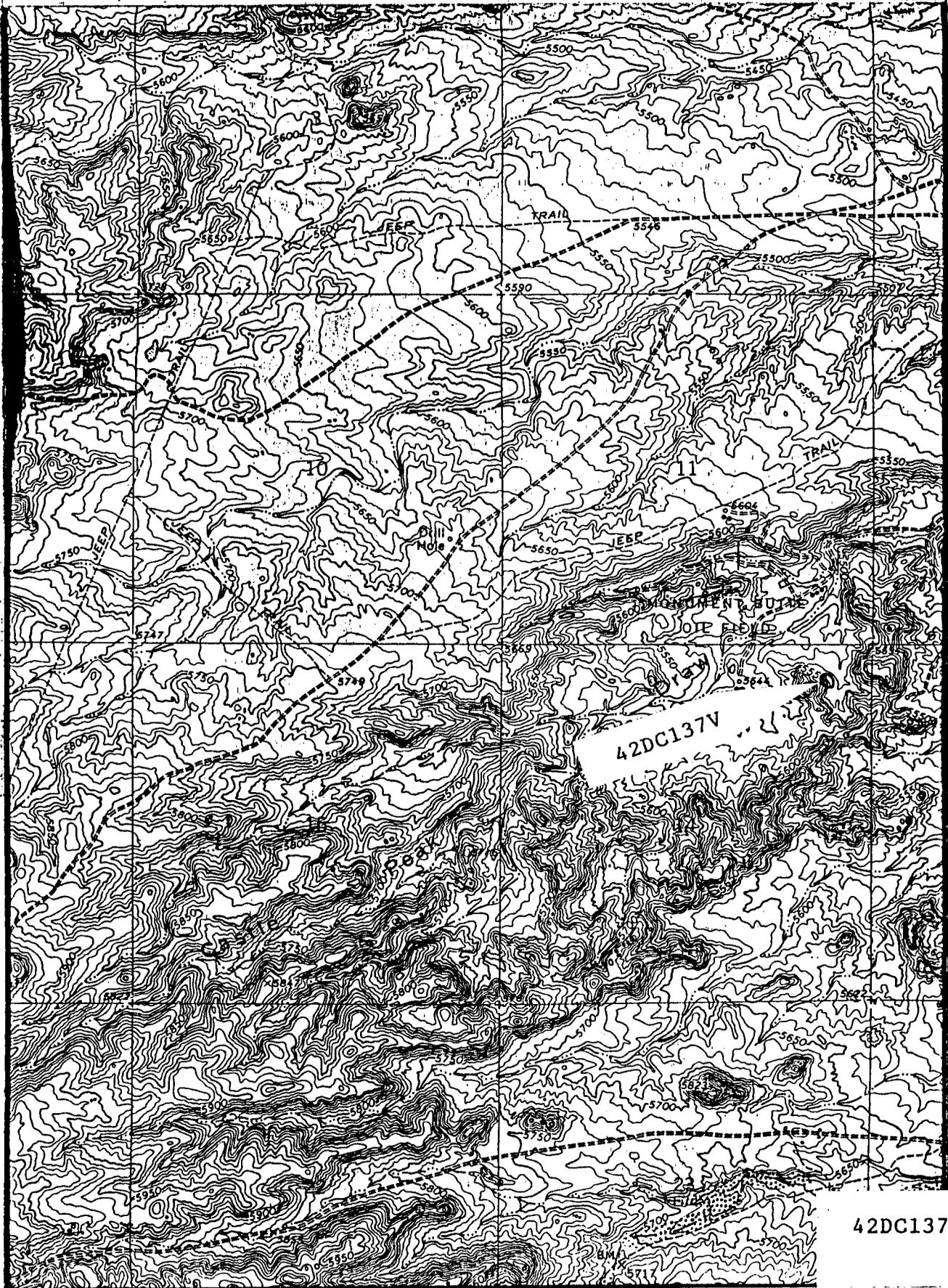
Recommendations-

Most of the turtle shell fragments found are in poor condition and, while important as an indicator of the presence of fossil material, are probably not collectable specimens. I am not recommending that the material be collected or that the site be monitored. There is some possibility that other fossil material may be encountered during construction. If significant looking fossil bone material is discovered during construction, it should be evaluated by a paleontologist.


Paleontologist

Date September 26, 1993

PALEONTOLOGY LOCALITY Data Sheet		Page 1 of 1 plus map																			
		State Local. No. 42 DC 137V																			
		Agency No.																			
		Temp. No BALCRON MONUMENT BUTTE FEDERAL #41-14J																			
1. Type of locality				Plant		Vertebrate		X		Trace		Other _____									
2. Formation: UINTA				Horizon: "B"				Geologic Age: Late Eocene													
3. Description of Geology and Topography: The well location sits about 1/4 mile south of Castle Peak Draw, on the west side of a small flat bottom draw. Ridge to the west and east rise 80 to 100 feet above the wellpad. Drainage is to the north. Rocks in the immediate area of the proposed access road and wellpad are composed of interbedded mudstone, and sandstone. All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodylians, and occasional fish remains.																					
4. Location of Outcrop: 11 miles south and 1 mile west of Myton, Utah.																					
5. Map Ref.		USGS Quad		Myton SE, Utah				Scale		7.5 Min		Edition		1964							
Center	of	NE1/4		of	NE1/4		of Sectn		14	T	9 S		R	16E	Meridn		SLB				
6. State: UTAH			County: DUCHESNE COUNTY				BLM/FS District: VERNAL- DIAMOND MT.														
7. Specimens Collected and Field Accession No. One small (.5 X 1.5 inch) piece of crocodile jaw.																					
8. Repository:																					
9. Specimens Observed and Disposition: There are a few scattered turtle shell fragments in the slope wash at the foot of the hill at the southwest corner of the well location. No fossils were noted coming out of the hill, so this material may be from the green-gray or light brown mudstone layers seen at the foot of the hill. One small piece of crocodile jaw (.5 X 1.5 inches) was also found in this general area 40 yards south 30 degrees west of the center stake, just out side the staked area. The wellpad has an occasional weathered turtle shell fragment, which appears to have washed off the ridge to the west. No fossils were found in bed rock exposures along the proposed access road, but a few scattered pieces of turtle shell were observed in the wash bottoms, which have been carried there from an uphill position somewhere.																					
10. Owner:				State		BLM		X		US		FS		NPS		IND		MIL		OTHR	
11. Recommendations for Further Work or Mitigation: Most of the turtle shell fragments found are in poor condition and, while important as an indicator of the presence of fossil material, are probably not a collectable specimens. I am not recommending that the material be collected or that the site be monitored. There is some possibility that other fossil material may be encountered during construction. If significant looking fossil bone material is discovered during construction, it should be evaluated by a paleontologist.																					
12. Type of Map Made by Recorder:																					
13. Disposition of Photo Negatives:																					
14. Published References: Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Laramie, Wyoming.																					
15. Remarks:																					
16. Sensitivity:		Critical		Significant		Important		X		Insignificant											
17. Recorded by: Alden Hamblin, Paleontologist								Date: September 15, 1993													



42DC137V

BALCRON OIL MONUMENT FEDERAL #41-14J NE NE SEC. 14, T9S, R16E, SLB&M
MYTON SE, UTAH QUARDRANGLE



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361

September 28, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #41-14J
Balcron Monument Federal #41-18
Balcron Monument Federal #31-7J
Balcron Monument Federal #14-8

CONFIDENTIAL

Enclosed is a sundry notice reporting the drilling contractor that will be used on the referenced wells.

Please feel free to contact me if you need additional information.

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

Enclosures

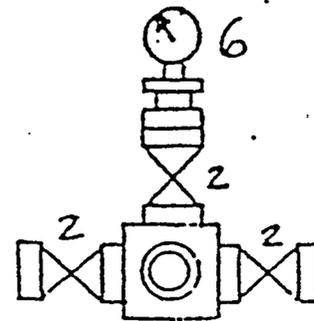
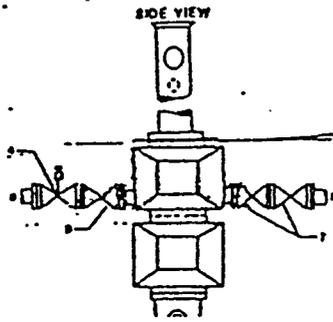
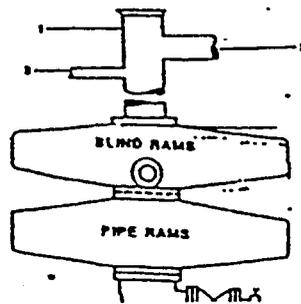
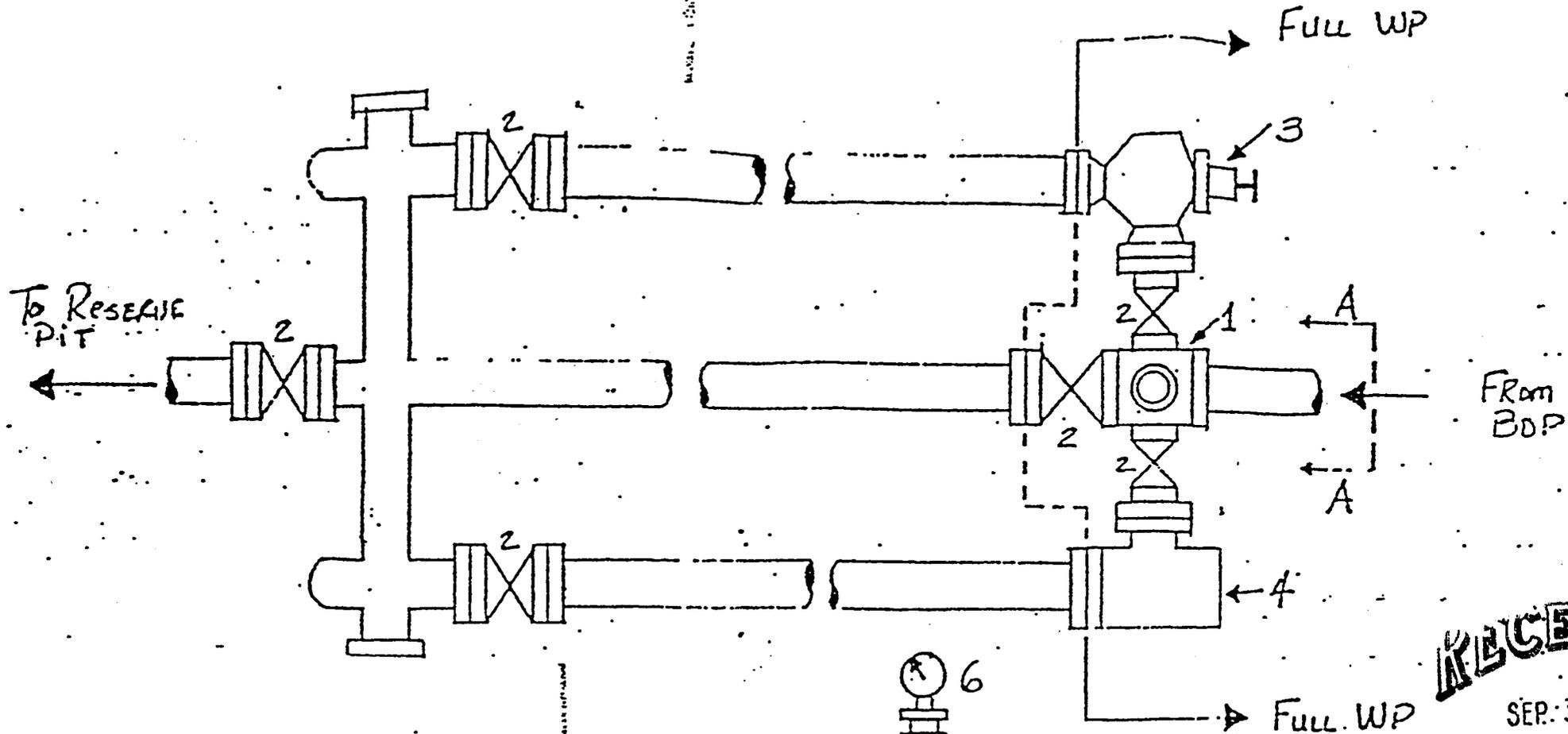
cc: State of Utah, Division of Oil, Gas, & Mining

RECEIVED

SEP 30 1993

DIVISION OF
OIL, GAS & MINING

EXHIBIT "H"



VIEW A-A

- 1. Cross
- 2. Gate Valve
- 3. Adjustable Choke
- 4. Positive Choke
- 5. Welded Bull Plug, Lead Filled
- 6. 2" - 3000-psi mud pressure gauge

Notes: All lines must be securely anchored

RECEIVED

SEP. 30 1993

DIVISION OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. 41-14J

9. API Well No.

43-013-31408

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NE Section 14, T9S, R16E
363.3' FNL, 600' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other drilling contractor
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We will be using Molen Drilling on this well (see attached)

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SEP 30 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Coordinator of Environmental and Regulatory Affairs

Date

9-28-93

(This space for Federal or State Use)

Approved by

Title

Date

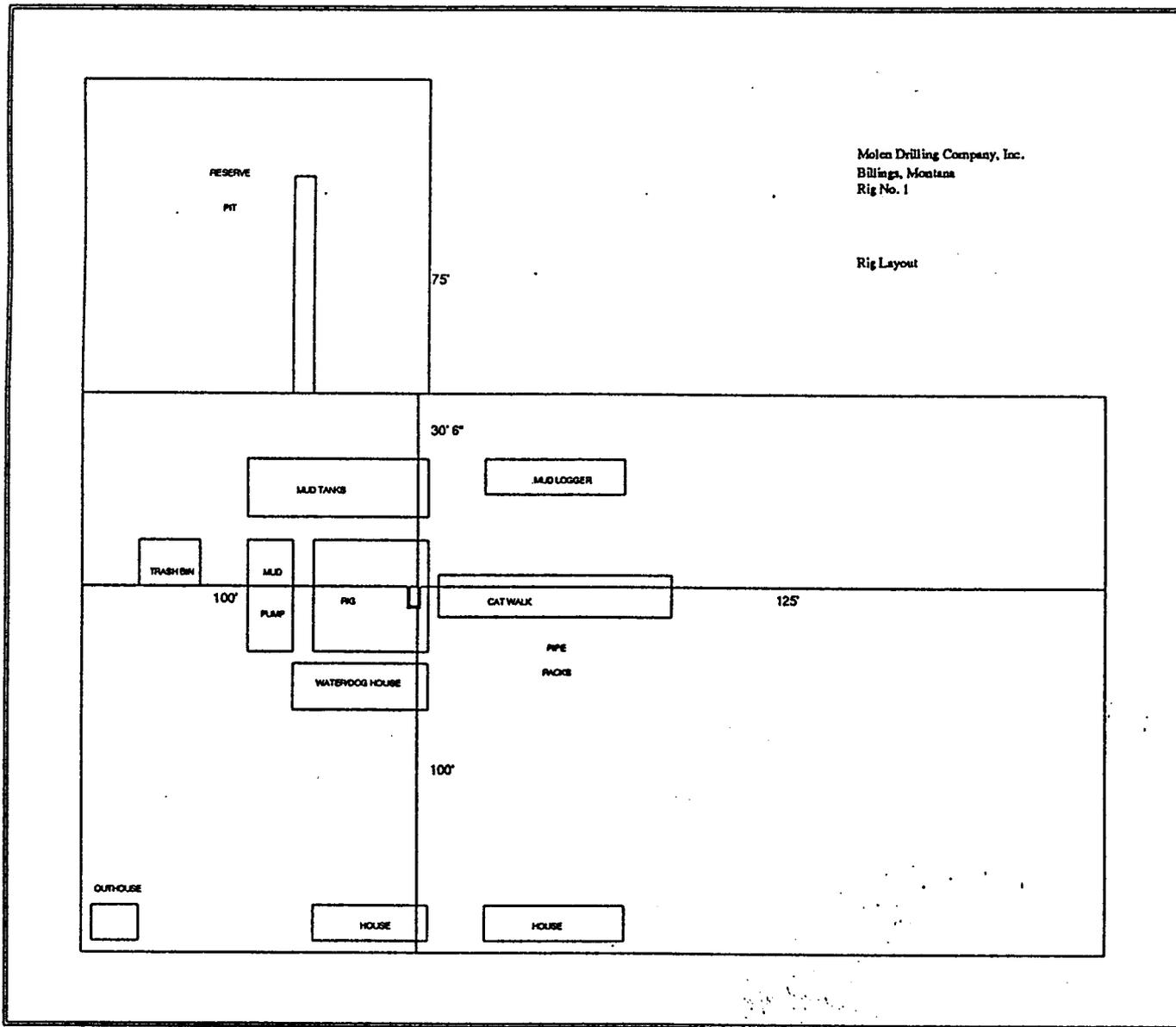
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Molen Drilling Company, Inc.
Billings, Montana
Rig No. 1

Rig Layout



DIVISION OF
OIL, GAS & MINING

SEP 30 1993

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL DEEPEN PLUG BACK

b. TYPE OF WELL

OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

NE NE Section 14, T9S, R16E 363.3' FNL, 600' FEL
At proposed prod. zone

43-013-31408

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16.6 miles SW of Myton, UT

10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

6x000' 5,700'

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,529.4' GL

22. APPROX. DATE WORK WILL START*

Upon APD Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

- | | |
|------------------------------------|----------------------------|
| "A" PROPOSED DRILLING PROGRAM | "G" RIG LAYOUT |
| "B" PROPOSED SURFACE USE PROGRAM | "H" BOPE DIAGRAM |
| "C" GEOLOGIC PROGNOSIS | "I" EXISTING ROADS (Map A) |
| "D" DRILLING PROGRAM/CASING DESIGN | "J" PLANNED ACCESS (Map B) |
| "E" EVIDENCE OF BOND COVERAGE | "K" EXISTING WELLS (Map C) |
| "F" SURVEY PLAT | "L" CUT & FILL DIAGRAM |

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs

DATE August 30, 1993

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS

DATE OCT 14 1993

NOTICE OF APPROVAL

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
FOR THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator Equitable Resources Energy Co.
API Number 43-013-31408
Well Name & Number Balcron Federal 41-14J
Lease Number U-096550
Location NENE Sec. 14 T. 9S. R. 16E.
Surface Ownership Federal
Date NOS Received August 23, 1993
Date APD Received August 31, 1993

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at $\pm 1,694$ ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to $\pm 1,494$ ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 789-3634

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

The reserve pit shall be lined with a plastic liner with a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situation, preservation is not necessary); and
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.

Prior to reclaiming of any disturbed areas, the operator will contact the Authorized Officer of the BLM to determine the most desirable site specific seed mixture for reclamation.

Reseeding of reclaimed areas are preferred in the fall after September 15 until the ground freezes.

The requested emergency pit is hereby approved under Onshore Order No. 7, subject to the following Conditions of Approval:

1. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for drilling the reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
2. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.

If paleontologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

October 21, 1993

OCT 25 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

DIVISION OF OIL
AND GAS

Gentlemen:

Enclosed are Paleontology Reports for the following wells:

- Balcron Monument Federal #41-14J 43 013 31408
- Balcron Monument Federal #34-10J
- Balcron Monument Federal #21-15J
- Balcron Monument Federal #43-15J

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

October 25, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #41-14J
NE NE Section 14, T9S, R16E
Duchesne County, Utah

and

Balcron Monument Federal #31-7J
NW NE Section 7, T9S, R17E
Duchesne County, Utah

Enclosed is our sundries report our water source for the
above referenced wells.

Please feel free to contact me if you need any additional
information.

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

Enclosures

cc: State of Utah, Division of Oil, Gas, & Mining

RECEIVED
OCT 28 1993
DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-096550
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017; Billings, MT 59104 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NE Section 14, T9S, R16E 363.3' FNL, 600' FEL	8. Well Name and No. Balcron Monument Fed. 41-14J
	9. API Well No. 43-013-31408
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Water Source</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator 's water source will be from an approved source in Section 27, T1S, R2W from a well permitted by Owen Dale Anderson under Water Claim #43-9974 (Application #A-14289). A copy of that permit is attached to this sundry. The water will be trucked by Dalbo Trucking out of Vernal, Utah.

CONFIDENTIAL

ART 2 B 115

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date October 21, 1993

(This space for Federal or State Office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPLICATION FOR PERMANENT CHANGE OF WATER

STATE OF UTAH RECEIVED
APR 17 1987
WATER RIGHTS
SALT LAKE

Rec. by D1
Fee Paid \$ 15.00
Receipt # 22150
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a permanent change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

*WATER USER CLAIM NO. 43-9974 *APPLICATION NO. a-14289

NOT 2 8 1993

DIVISION OF OIL, GAS & MINING

Changes are proposed in (check those applicable)
 point of diversion. _____ point of return.
 place of use. nature of use.

1. OWNER INFORMATION *Interest: _____ %
Name: Owen Dale Anderson
Address: PO Box 1162 Vernal UT 84078

2. *PRIORITY OF CHANGE: _____ *FILING DATE: _____
*Is this change amendatory? (Yes/No): _____

3. RIGHT EVIDENCED BY: 43-3525
Prior Approved Change Applications for this right: 83-43-21 84-43-73 6-14099

***** HERETOFORE *****

4. QUANTITY OF WATER: 0.5 cfs and/or _____ ac-ft.

5. SOURCE: U.G.W. (well)

6. COUNTY: Duchesne

7. POINT(S) OF DIVERSION: South 1167 ft East 340 ft from N 1/4 Corner Section 27 T1S, R3W, USB + M

Description of Diverting Works: _____

8. POINT(S) OF REDIVERSION
The water will be reddiverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN
The amount of water consumed is _____ cfs or _____ ac-ft.
The amount of water returned is _____ cfs or _____ ac-ft.
The water will be returned to the natural stream/source at a point(s): _____

*These items are to be completed by Division of Water Rights.

10. NATURE AND PERIOD OF USE

Stockwatering: From Jan 1 to Dec 31
 Domestic: From _____ to _____
 Municipal: From _____ to _____
 Mining: From _____ to _____
 Power: From _____ to _____
 Other: From Jan 1 to Dec 31
 Irrigation: From April 1 to Oct 31

RECEIVED
 OCT 28 1993
 DIVISION OF
 OIL, GAS & MINING

11. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): 250 Livestock Units
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ Mining District in the _____ Mine.
 Ores mined: _____ Type: _____ Capacity: _____
 Power: Plant name: _____
 Other (describe): drilling & completion of oil field locations Fish Culture
 Irrigation: 55.7 acres. Sole supply of _____ acres

12. PLACE OF USE

Legal description of areas of use other than irrigation by 40 acre tract: n/a

13. STORAGE

Reservoir Name: Unnamed Storage Period: from 11-1 to 3-31
 Capacity: 4.0 ac-ft. Inundated Area: _____ acres
 Height of dam: _____ feet
 Legal description of inundated area by 40 tract: NW NE Sec 27, T15 R2W US B & M

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 20.0 ac-ft
 15. SOURCE: UGW Remaining Water: same
 18. COUNTY: Duchesne
 17. POINT(S) OF DIVERSION: same

Description of Diverting Works: _____

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water consumed is _____ cfs or _____ ac-ft

The amount of water returned is _____ cfs or _____ ac-ft

The water will be returned to the natural stream/source at a point(s): _____

20. NATURE AND PERIOD OF USE

- Stockwatering: From _____ to _____
- Domestic: From _____ to _____
- Municipal: From _____ to _____
- Mining: From _____ to _____
- Power: From _____ to _____
- Other: From Jan 1 to Dec 31
- Irrigation: From _____ to _____

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 OCT 28 1993
 DIVISION OF
 OIL, GAS & MINING

21. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): _____

Domestic: _____ Families and/or _____ Persons

Municipal (name): _____ Mining District in the _____ Mine

Mining: _____ Ores mined: _____ Type: _____ Capacity: _____

Power: Plant name: _____

Other (describe): drilling and completion of oil wells

Irrigation: _____ acres. Sole supply of _____

22. PLACE OF USE

Legal description of areas of use by 40 acre tract: _____

Other: hauled to locations by water trucks as needed

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____

Capacity: _____ ac-ft. Inundated Area: _____ acres

Height of dam: _____ feet

Legal description of inundated area by 40 tract: _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): _____

Change is for oilfield drilling and exploration.

Approximately 4 acre ft^{new} will be taken from

irrigation purposes and used for oilfield purposes
Acres to be irrigated will change from ~~55.7~~ to 50 acres
52.7 11 x 7

he undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Quinn Dale Anderson
Signature of Applicant(s)

RECEIVED
DIVISION OF OIL, GAS & MINING

NOV 28 1993

DIVISION OF
OIL, GAS & MINING



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361

November 30, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: **Balcron Monument Federal #41-14J**
NE NE Section 14, T9S, R16E
Duchesne County, Utah

Enclosed is our sundry notice reporting a change in rig and water source for drilling the referenced well.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.
 P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NE. NE Section 14, T9S, R16E
 363.3' FNL, 600' FEL

5. Lease Designation and Serial No.
 U-096550

6. If Indian, Allottee or Tribe Name
 n/a

7. If Unit or CA, Agreement Designation
 Jonah Unit

8. Well Name and No.
 Balcron Monument Fed. 41-14J

9. API Well No.
 43-013-31408

10. Field and Pool, or Exploratory Area
 Monument Butte/Green River

11. County or Parish, State
 Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>change in rig and water source</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator will use Union Drilling Rig #17 and the Joe Shields water source for drilling this well. Copies of the rig layout, BOPE diagram, and water permit are attached.

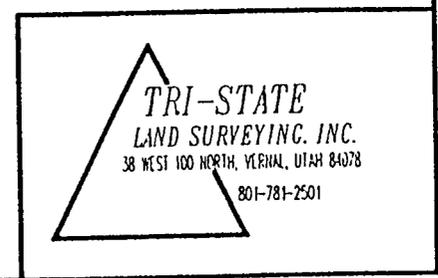
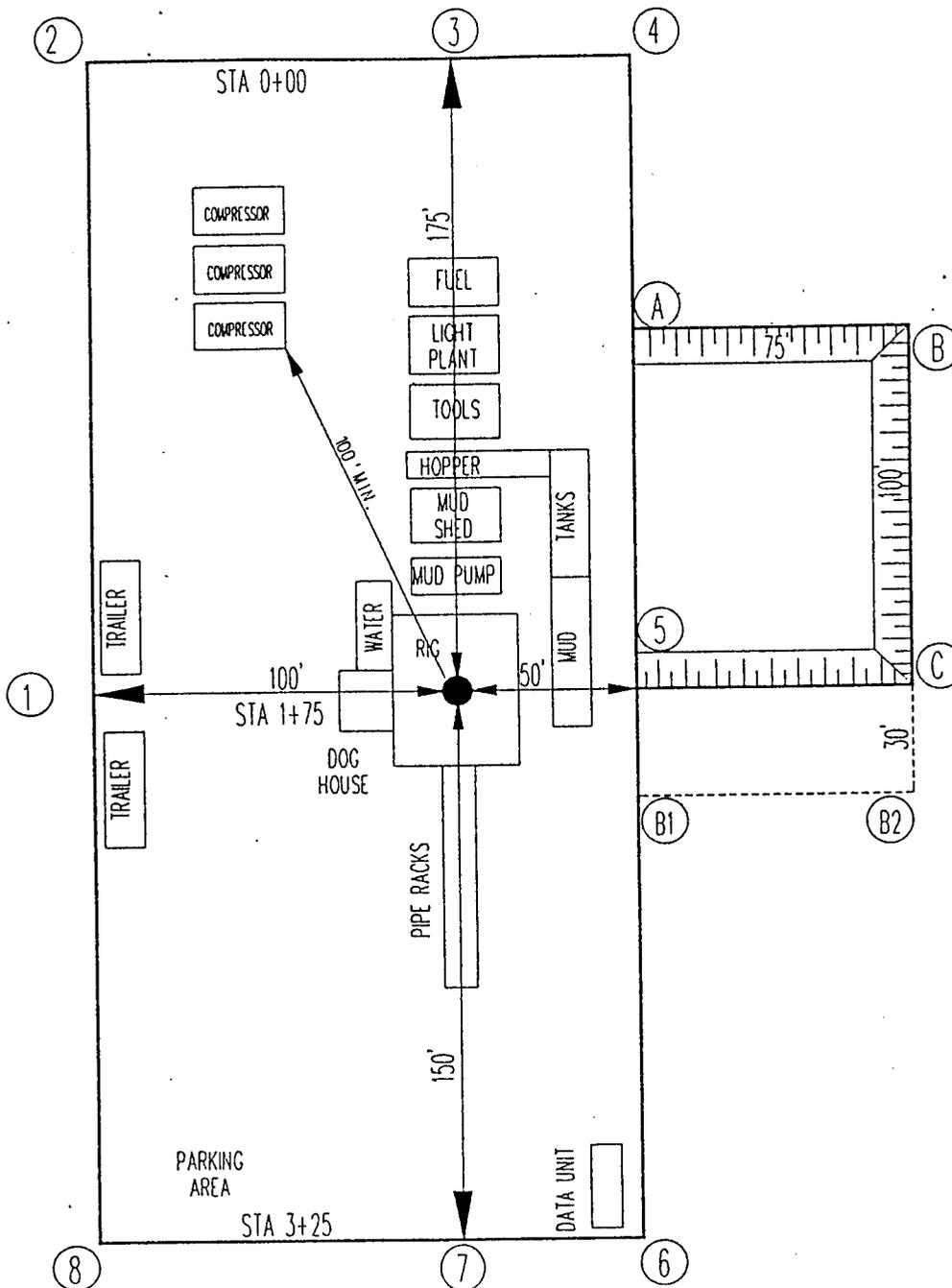
NOV 01 1993
 DIVISION OF
 OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
 Signed Robbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date November 30, 1993

(This space for Federal or State Office use)
 Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

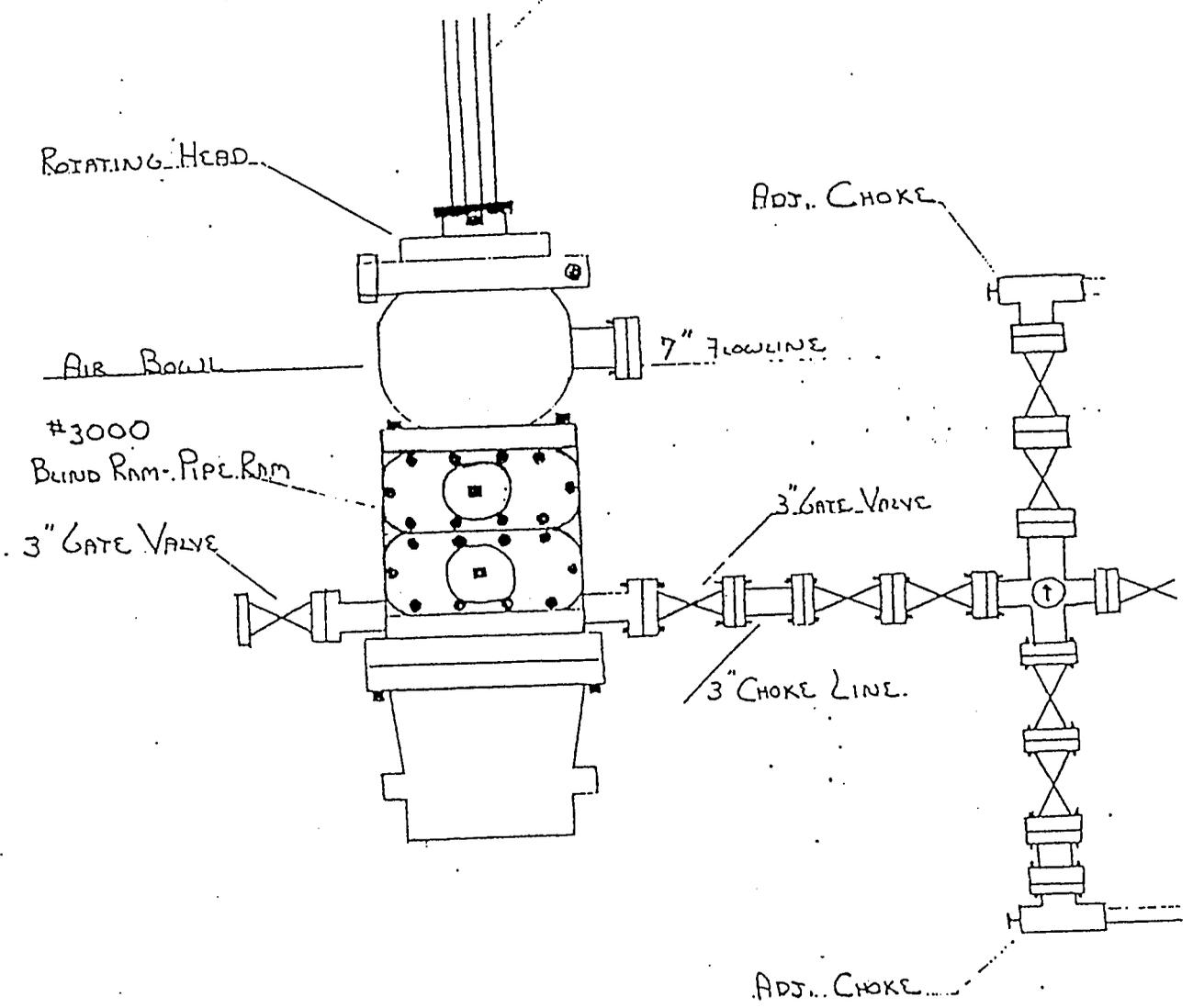
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



BIT "H"

UNION DRILLING RIG #17 Hex Kelly -



#3000 STACK

To Robbie - Dave McCouskey
Company E. R. E. C. (Bakken Oil Co.)
Location P.O. Box 31017 Billings, MT.
Fax # (406) 245-1361 Telephone # (406) 259-7860
Comments Additional Water Permit

From Bob Russell
Company Jim Nebeker Trucking Co
Location Roosevelt, Utah Dept. Charge
Fax # (801) 722-9942 Telephone # (801) 722-9997
Original Disposition: Destroy Return Call for pickup

APPLICATION FOR PERMANENT CHANGE OF WATER

STATE OF UTAH

Rec. by _____
Fee Paid \$ _____
Receipt # _____
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a permanent change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: a17532

WATER RIGHT NUMBER: 43 - 8063

This Change Application proposes to change the PLACE OF USE.

1. OWNERSHIP INFORMATION.

- A. NAME: Western Petroleum INTEREST: 100%
ADDRESS: P.O. Box AC, Vernal, UT 84078
- B. PRIORITY OF CHANGE: August 9, 1993 FILING DATE: August 9, 1993
- C. RIGHT EVIDENCED BY: A48158

-----*

DESCRIPTION OF CURRENT WATER RIGHT:

-----*

2. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.06 cfs
- B. DIRECT SOURCE: Underground Water Well COUNTY: Duchesne
- C. POINT OF DIVERSION -- UNDERGROUND:
(1) S 300 feet E 150 feet from N $\frac{1}{2}$ corner, Section 24, T 2S, R 2W, USBM
WELL DIAMETER: 6 inches WELL DEPTH: 400 feet

3. WATER USE INFORMATION.

INDUSTRIAL: from Jan 1 to Dec 31. Oil Refining, Oil field Production

4. PLACE OF USE. (Which includes all or part of the following legal subdivisions:)

BASE TOWN	RANG	SEC	NORTH-EAST NE NW SW SE	NORTH-WEST NE NW SW SE	SOUTH-WEST NE NW SW SE	SOUTH-EAST NE NW SW SE
US	1S	1W	Entire TOWNSHIP			
US	2S	1W	Entire TOWNSHIP			

Aug 01 1993

DIVISION OF

Permanent Change

-----*
 * THE FOLLOWING CHANGES ARE PROPOSED: *
 -----*

5. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.06 cfs
- B. DIRECT SOURCE: Underground Water Well COUNTY: Duchesne
- C. POINT(S) OF DIVERSION -- UNDERGROUND: Same as HERETOFORE.
- D. COMMON DESCRIPTION: 1 mile west of Roosevelt

6. WATER USE INFORMATION. Same as HERETOFORE.

7. PLACE OF USE. Changed as follows:

(Which includes all or part of the following legal subdivisions:)

BASE TOWN	RANG	SEC	NORTH-EAST				NORTH-WEST				SOUTH-WEST				SOUTH-EAST			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
SL	8S	16E	Entire TOWNSHIP															
SL	8S	17E	Entire TOWNSHIP															
SL	8S	18E	Entire TOWNSHIP															
SL	8S	19E	Entire TOWNSHIP															
SL	9S	16E	Entire TOWNSHIP															
SL	9S	17E	Entire TOWNSHIP															
SL	9S	18E	Entire TOWNSHIP															
SL	9S	19E	Entire TOWNSHIP															
SL	10S	16E	Entire TOWNSHIP															
SL	10S	17E	Entire TOWNSHIP															
SL	10S	18E	Entire TOWNSHIP															
SL	10S	19E	Entire TOWNSHIP															
US	1N	1E	Entire TOWNSHIP															
US	1N	1W	Entire TOWNSHIP															
US	1N	2W	Entire TOWNSHIP															
US	1N	3W	Entire TOWNSHIP															
US	1S	1E	Entire TOWNSHIP															
US	1S	1W	Entire TOWNSHIP															
US	1S	2W	Entire TOWNSHIP															
US	1S	3W	Entire TOWNSHIP															
US	2S	1E	Entire TOWNSHIP															
US	2S	1W	Entire TOWNSHIP															
US	2S	2W	Entire TOWNSHIP															
US	2S	3W	Entire TOWNSHIP															
US	3S	1E	Entire TOWNSHIP															
US	3S	1W	Entire TOWNSHIP															
US	3S	2W	Entire TOWNSHIP															
US	3S	3W	Entire TOWNSHIP															
US	4S	1E	Entire TOWNSHIP															
US	4S	1W	Entire TOWNSHIP															

Continued on next page.

APR 01 1995

DIVISION OF
 WATER RESOURCES

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 41-14J

API NO. 43-01331408

Section 14 Township 9S Range 16E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED: Date 12/1/93

Time 1:00 PM

How DRY HOLE

Drilling will commence

Reported by AL PLUNKETT

Telephone # 1-823-6759

Date 12/3/93 SIGNED JLT

Balcron Oil DAILY OPERATING REPORT

DATE: 12/2/93

****JONAH UNIT PARTNERS' DAILY REPORT****BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,700' Green River Oil - Dev.

12-1-93 Well spud @ 1:00 p.m. by Leon Ross Air Drilling

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-1-93

Completion

CP - 80 psi. Bleed well down. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 148 jts 2-7/8" tbg. Tag sand @ 4634' KB. Circ down to 4995' KB. Pull up & set packer @ 4750' KB. Made 14 swab runs, recovered 84 BF, fluid level @ 3600'. Last 3 runs 2% oil, small amount of gas, no sand. Release packer, tag sand @ 4960' KB, circ down to 5001' (BP), release BP & TOOH w/tbg, SN, packer, 1 jt tbg, retrieving head & BP. SWIFN.
DC: \$1,630

BALCRON MONUMENT FEDERAL #14-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

12-2-93

TD: 5,750' (0') Day 9

Formation: Green River

Present Operation: Repair brakes

Test 5-1/2" pipe rams, run 5-1/2" csg & cmt by Halliburton as follows:

Guide Shoe .60'

1 jt 5-1/2" 15.5# shoe jt 43.53'

Float collar 1.85'

130 jts 5-1/2" 15.5# K-55 csg 5672.19'

5718.17'

Landing jt 9.00'

Set @ 5727.17

PSTD: 5681.28'

Cmt'd by Halliburton w/220 sxs lead cmt & tail w/260 sxs 50-50 POZ.

Plug down @ 12:45 p.m. 12-1-93. Release rig @ 4:45 p.m. 12-1-93.

ND BOP, clean mud tank & rig down.

DC: \$58,584

CC: \$177,832

OPERATOR Equitable Resources Energy Company,
Balcron Oil Division
 ADDRESS P.O. Box 21017
Billings, MT 59104

OPERATOR ACCT. NO. 19890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A B	11492	11492	43-013-31408	Balcron Monument Federal #41-14J	NE NE	14	9S	16E	Duchesne	12-1-93.	12-1-93

WELL 1 COMMENTS:

Spud of new well, please add to Jonah Unit Entity. *Entity added 12-8-93 J*

--	--	--	--	--	--	--	--	--	--	--	--

WELL 2 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 3 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 4 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 5 COMMENTS:

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

3/89)

DATE: 12-2-93

Robbie Schuman
 Signature
 Coordinator of Environmental
 and Regulatory Affairs
 Date
 Phone No. (406) 259-7860



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 []
FAX: (406) 245-1361 []

December 3, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #41-14J
NE NE Section 14, T9S, R16E
Duchesne County, Utah

Enclosed is our sundry reporting spud for the referenced well.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad
Molly M. Conrad
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining:
also enclosed is the Entity Action Form
Dawn Schindler
Mary Lou Dixon - Uintah Basin Health Dept.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.
 P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NE NE Section 14, T9S, R16E
 363.3' FNL, 600' FEL

5. Lease Designation and Serial No.
 U-096550

6. If Indian, Allottee or Tribe Name
 n/a

7. If Unit or CA, Agreement Designation
 Jonah Unit

8. Well Name and No.
 Balcron Monument Federal #41-14J

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10. Field and Pool, or Exploratory Area
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11. County or Parish, State
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	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Report of Spud.</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
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	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spud on 12-1-93 at 1 p.m. by Leon Ross Air Drilling.

14. I hereby certify that the foregoing is true and correct
 Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 12-2-93
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	11492	→	43-013-31408	<i>cont.</i> Balcron Monument Federal #41-145	NE NE	14	9S	16E	Duchesne	12/1/93	12/1/93
WELL 1 COMMENTS: Spud of new well. Entity previously added 12-8-93 <i>J</i> Add to Jonah Unit Entity. <i>PL</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

DATE: 12-8-93

Bobbie Schuman
Signature
Coordinator of Environmental
and Regulatory Affairs
Title _____ Date _____

Phone No. (406) 259-7860



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 []
FAX: (406) 245-1361 [X]

December 8, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #41-14J
NE NE Section 14, T9S, R16E
Duchesne County, Utah

Enclosed is our sundry notice reporting spud of the referenced well. Our records indicate that this was not previously sent to you. If this is a duplication, please discard this. Thank you.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining (with Entity Action
Form)
Dawn Schindler
Uintah Basin Health Department (FAX)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U-096550

6. If Indian, Allottee or Tribe Name
n/a

7. If Unit or CA, Agreement Designation
Jonah Unit

8. Well Name and No.
Balcron Monument Fed. 41-14J

9. API Well No.
43-013-31408

10. Field and Pool, or Exploratory Area
Monument Butte/Green River

11. County or Parish, State
Duchesne County, UTAH

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**NE NE Section 14, T9S, R16E
363.3' FNL, 600' FEL**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>spud of well</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well spud on 12/1/93.

14. I hereby certify that the foregoing is true and correct

Signed *Bobbie Schuman* Title Coordinator of Environmental and Regulatory Affairs Date 12/8/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Page 1 of 2

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/13/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #41-14J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

- 11-3/26-93 Work on & finish location.
- 12-1-93 Move Leon Ross Air rig on & spud @ 1:00 p.m., drill to 150'.
- 12-2-93 Finish surface hole.
- 12-3-93 Run 6 jts 8-5/8" 24# csg & cmt by Dowell as follows:
 Guide shoe .60
 1 jt 8-5/8" 24# shoe jt 44.89'
 Insert float ----
 5 jts 8-5/8" 24# J-55 csg 225.55'
 Set @ 269' GL, Union Drilling KB 279' 3 centralizers.
 Cmt by Dowell w/150 sxs "G" + 2% CCL, 1/4#/sx celoflakes. Plug
 down @ 12 noon 12-3-93. 5 bbls cmt return to pit.
 DC: \$23,349 CC: \$28,099
- 12-11-93 TD: 305' (26') Day 1
 Formation: Uintah
 MW 8.3 VIS 26
 Present Operation: Drilling
 MIRU, NU BOP. Test BOP & manifold to 2000#, test csg to 1500#.
 Had trouble, but everything finally test OK. PU collars & drill
 cmt, survey, & drill ahead.
 DC: \$5,704 CC: \$33,803
- 12-12-93 TD: 1,721' (1,416') Day 2
 Formation: Uintah
 MW 8.3 VIS 26
 Present Operation: Drilling
 Drill, survey, change air head rubber, drill, repair air bowl, &
 drill ahead.
 DC: \$18,630 CC: \$52,433
- 12-13-93 TD: 2,775' (1,054') Day 3
 Formation: Green River
 MW 8.4 VIS 26
 Present Operation: TIH
 Drill, survey, repair air leak, TOOH to clean gillsonite out from
 between & around cones. Cone would not turn. TIH. 50-60 MPH wind
 Sunday.
 DC: \$14,390 CC: \$66,823

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/14/93

****JONAH UNIT PARTNERS' DAILY REPORT****

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-11-93 Completion

Start well pumping, 5 SPM, 82" stroke length. American D-228, S/N D228-G-3837 (KARST), Engine Ajax E-42, S/N 69880 (KARST).

DC: \$16,223

BALCRON MONUMENT FEDERAL #24-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-11-93 Completion

MIRU Cannon Well Service Rig #1. NU wellhead, NU BOP. SDFD.

DC: \$1,273

12-13-93 Completion

TIH w/4-3/4" bit, 5-1/2" scraper & 181 jts 2-7/8" tbg, tag PSTD @ 5634' KB, circ hole clean w/125 bbls 2% KCL wtr. Pressure test csg & BOP to 1000 psi - OK. TOOH w/tbg & tools. RU Cutter to perf 5476'-85' KB (2 SPF). RD Cutter. TIH w/RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" packer, SN & 176 jts 2-7/8" tbg. Set BP @ 5526' KB, set packer @ 5425' KB, EOT @ 5460' KB. RU Dowell to do HCL break down refer to treatment report. TOOH w/tbg 64 jts. SWIFN.

DC: \$6,541

BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,700' Green River Oil - Dev.

12-14-93 TD: 3,624' (849') Day 4

Formation: Green River

MW 8.4 VIS 26

Present Operation: Drilling

TIH, blow hole to btm, get back to drilling, survey & drill ahead.

DC: \$13,030

CC: \$79,853

Page 1 of 1

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/16/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #24-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-15-93 Completion

CP - 920 psi. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN, & 109 jts 2-7/8" tbg. Tag sand @ 3394' KB, circ down to 5526' KB. Pull up & set apcker @ 5425' KB. Made 8 swab runs. Recovered 46 BW, heavy sand. SWIFN.

DC: \$4,446

BALCRON MONUMENT FEDERAL #31-7J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NW NE Section 7, T9S, R17E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte Field

---TIGHT HOLE---

12-15-93 Completion

TIH w/retrieving tool, 1 jt 2-7/8" tbg, 5-1/2" HD packer, seat nipple, & 145 jts 2-7/8" tbg. Tag sand @ 4488' KB, circ down to 4970' KB. Pull up & set packer @ 4867' KB. Made 17 swab runs, recovered 70 BF, 13 BO, 57 BW. Last 2 runs, no sand. Release packer. SWIFN.

DC: \$1,903

BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-16-93 TD: 5,098' (418') Day 6

Formation: Green Zone

MW 8.4 VIS 26

Present Operation: Drilling

Drill, trip for bit, had to ream 3050'-3090'. Going back in hole, ream 100' to btm. 1" of snow.

DC: \$7,004

CC: \$100,812

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/17/93

****JONAH UNIT PARTNERS' DAILY REPORT****

BALCRON MONUMENT FEDERAL #24-12J Operator: EREC/Balcron
 BOD WI: 79.78%
 Location: SE SW Section 12, T9S, R16E
 Duchesne County, Utah
 Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-16-93 Completion
 CP - 25 psi. Flow back 10 BW, 2 BO. Made 24 swab runs, recovered 144 bbls fluid, trace oil, 144 BW. Last 3 runs, fluid stable @ 2700', no sand. Release packer, tag sand @ 5516' KB, circ down to 5526' KB. Release BP, reset BP @ 4810' KB, pressure test BP - OK. TOOH w/tbg, SN, packer & retrieving head. RU Cutter to perf 4746'-50' (2 SPF). RD Cutter. TIH w/retrieving head, 1 jt tbg, 5-1/2" HD packer, SN & 150 jts 2-7/8" tbg. SWIFN.
 DC: \$2,888

BALCRON MONUMENT FEDERAL #31-7J Operator: EREC/Balcron
 BOD WI: 79.78%
 Location: NW NE Section 7, T9S, R17E
 Duchesne County, Utah
 Prospect: Jonah Unit/Monument Butte Field

---TIGHT HOLE---

12-16-93 Completion
 CP - 150 psi, bleed well off. TIH & tag sand @ 4920', circ down to 4980'. Release BP, TOOH w/tbg, BP & packer. TIH w/production string as follows:

	<u>Length</u>	<u>Depth KB</u>
1 jt 2-7/8" tbg EUE J-55 8RD 6.5#	31.29'	5192.00'
1 perf sub 2-7/8" x 4'	4.00'	5160.71'
1 seat nipple	1.15'	5156.71'
166 jts tbg 2-7/8" EUE J-55 8RD 6.5#	5142.56'	5155.56'
KB	13.00'	

ND BOP, NU wellhead. TIH w/BHP 2-1/2" x 1-1/2" x 16' FWAC w/PA plunger, pump #1025 (TRICO), 128 3/4" x 25' plain rods D-61 (TRICO). SWIFN.
 DC: \$15,505

BALCRON MONUMENT FEDERAL #41-14J Operator: EREC/Balcron
 BOD WI: 79.78%
 Location: NE NE Section 14, T9S, R16E
 Duchesne County, Utah
 Prospect: Jonah Unit / Monument Butte

12-17-93 TD: 5,698' (600') Day 7
 Formation: Green River
 MW 8.4 VIS 26
 Present Operation: Logging
 Drill, survey, blow hole, load hole & circ for logs. TOH for logs, logging. Schlumberger couldn't make it, had to call Halliburton.
 DC: \$11,295 CC: \$112,107

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/20/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #24-12J** Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-17-93 Completion

RU Dowell to do HCL break down on 4746'-50'. Pressure test surface equipment to 6000 psi - OK. Spot acid at perfs, set packer @ 2682' KB, EOT 4717' KB, BP - 4810' KB. Start break down refer to treatment report. TOOH w/tbg, SN & packer. RU Dowell to do sand frac, pressure test surface equipment to 4000 psi - OK refer to treatment report. RD Dowell. SWIFN.

DC: \$19,809

12-18-93 Completion

CP - 650 psi, flow back 40 BW. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 109 jts 2-7/8" tbg. Tag sand @ 3425' KB, circ down to 4810' KB, pull up & set packer @ 4682' KB, EOT @ 4717' KB. Made 14 swab runs, recovered 84 BW, trace oil & gas. Last 3 runs, fluid level stable @ 275', no sand. Release packer, RIH & tag sand @ 4800' KB, circ down to 4810' KB (BP), release BP, reset BP @ 4155' KB. Test BP to 1000 psi - OK. TOOH w/9 jts tbg.

DC: \$4,818

BALCRON MONUMENT FEDERAL #41-14J Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-17-93 5-1/2" csg & cmt as follows:

Guide Shoe	.60
1 jt 5-1/2" 15.5# shoe jt	45.20'
Float collar	1.00'
130 jts 5-1/2" 15.5# K-55	5591.01'
	5637.81'
Landing jt	9.00'
Csg set @	5646.81'
FBTD:	5600.01' 20 centralizers.

Cmt by Dowell w/225 sxs Hilift cmt & tail w/261 sxs Class "G". Float did not hold. Plug down @ 11:45 p.m. 12-17-93, release rig @ 3:45 a.m. 12-18-93.

12-18-93 TD: 5,698' (0') Day 8

Formation: Green River

Present Operation: RDMO.

Logging, trip in hole w/collars & drill pipe. LD drill pipe & collars. Change pipe rams in BOP & test 5-1/2" rams to 2000# - OK. Run 5-1/2" csg, circ, had 20' of sticky fill on btm. Did not circ down, cmt by Dowell. Set slips, ND & clean mud tank.

DC: \$61,609

CC: \$173,716

Page 1 of 1

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/22/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #24-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-20-93 Completion
TOH w/tbg & tools. SWI.
DC: \$575

BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Baclron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-21-93 Completion
MIRU Basin Well Service Rig #2. Install well head, NU BOP. TIH
w/4-3/4" bit, 5-1/2" scraper & 179 jts 2-7/8" tbg. Tag PSTD, circ
well clean w/130 bbls of 2 1/2 KCL wtr. TOOH w/tbg, scraper, & bit.
SWIFN.
DC: \$20,804

BALCRON MONUMENT FEDERAL #31-7J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NW NE Section 7, T9S, R17E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte Field

---TIGHT HOLE---

12-23-93 Completion

Start well pumping @ 5:30 p.m., 6-3/4 SPM, 72" stroke. Beam pump:
CMI 320-305-120; S/N 5-07-52543 (Karst). Engine: Ajax E-42; S/N
139296 (Karst).

DC: \$30,787

BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

12-21-93 Completion

MIRU Basin Well Service Rig #2. Install well head, NU BOP. TIH
w/4-3/4" bit, 5-1/2" scraper & 179 jts 2-7/8" tbg. Tag PBTD, circ
well clean w/130 bbls of 2% KCL wtr. TOOH w/tbg, scraper & bit.
SWIFN.

DC: \$20,804

12-22-93 Completion

RU Schlumberger to run CBL. Log from PBTD to 3500'. Skip & log
360' to 80', cmt topo @ 210'. Perf 5043'-52' (2 SPF). RD
Schlumberger. TIH w/5-1/2" RBP, retrieving tool, 1 jt 2-7/8" tbg,
5-1/2" HD packer, SN & 164 jts 2-7/8" tbg. Set BP @ 5100' KB, set
packer @ 4979' KB, EOT @ 5014' KB. RU Western to do HCL break down
refer to treatment report. Pressure test surface equipment 6000
psi - OK. TOOH w/tbg, SN, packer & retrieving tool. SWIFN.

DC: \$6,908

12-23-93 Completion

CP - 30 psi. RU Western to frac 5043'-52' refer to treatment
report. Screen out. RD Western. SWIFN.

DC: \$19,760

12-24-93 Completion

CP - vac. TIH w/retrieving tool, 1 jt 2-7/8" tbg, 5-1/2" packer,
SN, 79 jts 2-7/8" tbg, tag gel @ 1900' KB, circ down tp 2500' KB,
tag sand. Circ down to 5090' KB (BP). Circ well clean w/129 bbls
of 2% KCL wtr. SWI for week end.

DC: \$2,281



EQUITABLE RESOURCES ENERGY COMPANY
 BALCRON OIL DIVISION
 1001 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017

TREATMENT REPORT

Well Name Monument Fed. 41-145 Date of Treatment: 12-23-93
 Field Monument Butte County Durham State WY SEC. 14 TWN. 9 S RNG. 16 E
 Formation/Perforations: Green River / 5043-52

Treatment type: SAND FRAC Total Number of Holes: 18
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics		Volume
			Size		
Gal.			PSI	BPM	
500 Gal.	HCL 15%	0	120	11.0	
3000 Gal.	2% KCL WATER PAD	0	2300 2290	20.1	
300 Gal.	"	2 #	2300 2300	20.0	20140
600 Gal.	"	3 #	2270 2270	20.0	20140
600 Gal.	"	4 #	2250 2250	19.9	20140
1000 Gal.	"	5 #	2130 2130	19.9	20140
450 Gal.	"	6 #	2130 2130	20.0	20140
850 Gal.	"	6 #	2240 2240	20.0	16130 SCREEN OUT
700 Gal.	"	7 #	2290 2290		16130
1344 Gal.	FLUSH	0	2200 2200	1.0	

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid fluid
8144 gal. 2% KCL WATER

TOTAL SAND VOL.: 12500 lbs. 20140 sand
6500 lbs. 16130 sand
 lbs. 1 sand
 lbs. 1 bauxite

Flushed well with 1344 gal. of 2% KCL WATER

Barrels of Load to Recover Was ball action seen?
 BLTR.

Avg. Treating Pressure = 2300 psi, max = 3200 psi, min = 2050 psi.

Avg. Treating Rate = 19.0 bpm, max = 20.1 bpm, min = 1.0 bpm.

ISIP = 2800 psi, 5 min. = 2500 psi, 10 min. = 240 psi, 15 min. = 20 psi.

Well will be shut in for hrs. before bringing back fluid.

REMARKS: PRESS. TEST SURFACE EQUIP. TO 4000 PSI, OK
SCREEN OUT 2500 LBS. OF 5# ON FORMATION.

Well site Supervisor: Dale Griffin



**EQUITABLE RESOURCES
 ENERGY COMPANY**
 BALCRON OIL DIVISION
 1601 Lark Avenue
 P.O. Box 21017
 Memphis, TN 38104-1017

TREATMENT REPORT

Date of Treatment: 12-22-93

Well Name Monument Fed. 41-14 J SEC. 14 TWN. 9 S RNG. 16 E
 Field Monument Butte County Duchene State Utah

Formation/Perforations: Green River / 5043-52

Treatment type: HCL BREAK DOWN Total Number of Holes: 18
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #

TOTAL FLUID PUMPED: 500 gal. 15 % HCL Acid fluid
1764 gal. 2 % KCL WATER

TOTAL SAND VOL. : _____ lbs. 1 sand
 _____ lbs. 1 sand
 _____ lbs. 1 sand
 _____ lbs. 1 bauxite

Flushed well with _____ gal. of _____
36 ball sealers were pumped. Was ball action seen? HHH HHH HHH IIII BALL OFF
 Barrels of Load to Recover 54 BLTR.

Avg. Treating Pressure = 1550 psi, max = 1600 psi, min = 1500 psi.
 Avg. Treating Rate = 4.0 bpm, max = 4.0 bpm, min = 4.0 bpm.
 ISIP = 1000 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.
 Well will be shut in for _____ hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT 3200 PSI AT 2.0 BPM
BACK TO 1500 PSI AT 4.0 BPM
SURGE BALLS OFF, PUMP FOR RATE, 7.0 BPM AT 2500 PSI

Well site Supervisor: Dale Griffin



**EQUITABLE RESOURCES
 ENERGY COMPANY**
 BALCRON OIL DIVISION
 1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59102-1017

TREATMENT REPORT

Well Name Monument Fed. 41-14 J Date of Treatment: 12-28-93
 Field Monument Butte County Duckeane State Utah
 Formation/Perforations: Green River / 4724-30, 4732-37

Treatment type: HCL BREAK DOWN Total Number of Holes: 22
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid fluid
2100 gal. 2.9% HCL WATER

TOTAL SAND VOL.: _____ lbs. _____ sand
 _____ lbs. _____ sand
 _____ lbs. _____ sand
 _____ lbs. _____ bauxite

Flushed well with _____ gal. of _____
4.5 ball sealers were pumped. Was ball action seen? NO
 Barrels of Load to Recover 62 BLTR.

Avg. Treating Pressure = 2800 psi, max = 3950 psi, min = 60 psi.
 Avg. Treating Rate = 4.0 bpm, max = 4.0 bpm, min = 4.0 bpm.
 ISIP = 1400 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.
 Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: PRESS. TEST SURFACE EQUIP. 6000 PSI, OK
INITIAL BRK AT 1180 PSI AT 2.7 BPM, BACK TO 1200 PSI AT 4.0 BPM
SURGE BALLS OFF. PUMP FOR RATE, 7.0 BPM AT 2500 PSI.

Well site Supervisor: Dale Smith

BALCRON OIL
DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-14J

Location: NE NE Section 14, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

- 12-27-93 Completion
CP - vac. TIH & set packer @ 4979' KB, EOT @ 5014' KB. Made 15 swab runs, recovered 45 BW, trace of oil. Swabbed fluid down to SN in 13 runs. Waited 30 min between 13 & 14 & between 14 & 15. Had 200' of entry on both runs, no sand. Release packer, tag sand @ 5089' KB. Circ hole clean, release BP. Reset BP @ 4850' KB. Pressure test BP to 1000 psi - OK. TOOH w/156 jts 2-7/8" tbg, SN, 5-1/2" packer, 1 jt 2-7/8" tbg & retrieving tool. SWIFN.
DC: \$5,184
- 12-27-93 Completion
CP - vac. TIH & set packer @ 4979' KB, EOT @ 5014' KB. Made 15 swab runs, recovered 45 BW, trace of oil. Swabbed fluid down to SN in 13 runs. Waited 30 min between 13 & 14 & between 14 & 15. Had 200' of entry on both runs, no sand. Release packer, tag sand @ 5089' KB. Circ hole clean, release BP. Reset BP @ 4850' KB. Pressure test BP to 1000 psi - OK. TOOH w/156 jts 2-7/8" tbg, SN, 5-1/2" packer, 1 jt 2-7/8" tbg & retrieving tool. SWIFN.
DC: \$5,184
- 12-28-93 TD: 5,698'
Present Operation: Completion
RU Schlumberger to perforate 4,724'-30' & 4,732'-37'; 2 SPF. TIH w/152 jts 2-7/8" tubing; set packer @ 4,701' KB. RU Western to do HCL breakdown on 4,724'-30' & 4,732'-37'. Refer to treatment report. TOOH w/tubing & packer. RU Western to sand frac 4,724'-30' & 4,732'-37'. Refer to treatment report. SWIFN.
DC: \$23,985



**EQUITABLE RESOURCES
 ENERGY COMPANY**
 BALCRON OIL DIVISION
 1601 Lewis Avenue
 P.O. Box 21017
 Birmingham, AL 35202-1017

TREATMENT REPORT

Date of Treatment: 12-28-93
 Well Name Monument Fed. 41-14 J SEC. 14 TWN. 9 S RNG. 16 E
 Field Monument Bottle County Duchesne State Utah
 Formation/Perforations: Green River / 4724-30, 4732-37

Treatment type: SAND FRAC. Total Number of Holes: 2R
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics		Volume
			Size		
500 Gal.			psi	bpm	
500 Gal.	HCL 15%	0	1120	5.5	
4000 Gal.	2% KCL WATER	0	2400 2250	20.0 19.5	PAD
600 Gal.		2 #	2210 2390	19.5 19.3	16130
800 Gal.		3 #	2360 2330	19.3	16130
1200 Gal.		4 #	2150	19.3	16130
1200 Gal.		5 #	2000	19.4	16130
1400 Gal.		6 #	1900	19.6	16130
900 Gal.		7 #	1950 1990	19.6	16130
4660 Gal.		0	1890 2050	19.3 19.5	1
Gal.					1

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid fluid
14060 gal. 2% KCL WATER

TOTAL SAND VOL.: 27500 lbs. 16130 sand
 lbs. 1 sand
 lbs. 1 sand
 lbs. 1 bauxite

Flushed well with _____ gal. of _____
 _____ ball sealers were pumped, Was ball action seen? _____
 Barrels of Load to Recover 408 BTR.

Avg. Treating Pressure = 2000 psi, max = 2800 psi, min = 1120 psi.
 Avg. Treating Rate = 19.5 bpm, max = 20 bpm, min = 19.3 bpm.
 ISIP = 2100 psi, 5 min. = 1600 psi, 10 min. = 1580 psi, 15 min. = 1560 psi.
 Well will be shut in for 18 hrs. before bringing back fluid.

REMARKS: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NE Section 14, T9S, R16E
363.3' FNL, 600' FEL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. 41-14J

9. API Well No.

43-013-31408

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change in rig.</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The operator will be using a completion rig to complete this well.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date 12-21-93

(This space for Federal or State Office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

KTECH

**WELL SITE GEOLOGY
WELL LOGGING
CONSULTING**

CONFIDENTIAL
Final Report

43-013-31408
BALCRON OIL
BALCRON MONUMENT FEDERAL #41-14-J
(NE/NE) SECTION 14, T9S, R16E
DUCHESNE COUNTY, UTAH

KTECH

GEOLOGY, MUD LOGGING CONSULTING

December 16, 1993

Steve VanDelinder
Balcron Oil
P.O. Box 21017
Billings, MT 59104

Mr. VanDelinder:

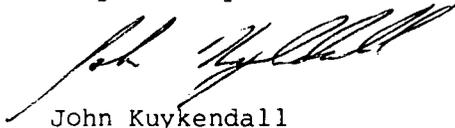
Enclosed is the final log for your BALCRON MONUMENT FEDERAL #41-14-J
well, located in Section 14, T19S, R16E of Duchesne Co., Utah.

TJS

I appreciated the opportunity to serve you. If I can be of any further
assistance in the final evaluation of the Green River sands encountered,
please feel free to call me.

It would be a pleasure to work with you in the future.

Respectfully



John Kuykendall



KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #41-14-J

LOCATION 363' FNL, 600' FEL, (NE/NE), SECTION 14, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 1 FORMATION GREEN RIVER

INTERVAL: FROM 2605' TO 2614'

DRILL RATE: ABV 1.2 MIN/FT THRU .9 MIN/FT BELOW 1.2 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	1	2					
DURING	2	3					
AFTER	1	2					

TYPE GAS INCREASE: GRADUAL SHARP HOLE CONDITIONS: WASHED FAIR IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY ERRATIC INCREASING DECREASING

FLUO: MINERAL NONE POOR FAIR GOOD EVEN SPOTTY

FLUO COLOR: VDULL YEL % IN SHOW LITHOLOGY 90%

CUT: NONE CRUSH POOR FAIR GOOD STREAMING: SLOW MOD FAST

CUT COLOR: YEL

STAIN: NONE POOR FAIR LIVE DEAD RESIDUE EVEN SPOTTY LT DK

POROSITY: POOR FAIR GOOD KIND INTERGRANULAR, UNCON

LITHOLOGY SS clr, ltgy, m-cgr, ang-sbrnd, uncon

SAMPLE QUALITY GOOD

REMARKS VLTRN OIL STN IP, VDULL YEL FLUOR, FAST STRM CUT

NOTIFIED DENNIS REHRIG @ 20:00 HRS. DATE 12/13/93

ZONE DESCRIBED BY JOHN KUYKENDALL



KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #41-14-J

LOCATION 363' FNL, 600' FEL, (NE/NE), SECTION 14, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 2 FORMATION GREEN RIVER G-4

INTERVAL: FROM 5054' TO 5065'

DRILL RATE: ABV .9 MIN/FT THRU .6 MIN/FT BELOW .9 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	10	21	2	1	tr		
DURING	10	21	2	1	tr		
AFTER	10	21	2	1	tr		

TYPE GAS INCREASE: GRADUAL SHARP HOLE CONDITIONS: WASHED FAIR IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY ERRATIC INCREASING DECREASING

FLUO: MINERAL NONE POOR FAIR GOOD EVEN SPOTTY

FLUO COLOR: VDULL YEL % IN SHOW LITHOLOGY 100%

CUT: NONE CRUSH POOR FAIR GOOD STREAMING: SLOW MOD FAST

CUT COLOR: YEL

STAIN: NONE POOR FAIR LIVE DEAD RESIDUE EVEN SPOTTY LT DK

POROSITY: POOR FAIR GOOD KIND INTERGRANULAR, UNCON

LITHOLOGY SS ltoy,clr,fgc,mar ip,sbang-rnd,uncon

SAMPLE QUALITY GOOD

REMARKS LTBRN OIL STN, VDULL YEL FLUOR, GOOD FAST STRM CUT DRY. SAMPLE CAUGHT FROM 5080' TO 5100'.

GOOD DRLG BREAK FROM 5054' TO 5065'.

NOTIFIED DENNIS REHRIG @ 07:30 HRS. DATE 12/16/93

ZONE DESCRIBED BY JOHN KUYKENDALL

KTECH

WELL SITE GEOLOGY - MUD LOGGING
 2913 HERMOSA CT. GRAND JUNCTION, CO 81504 • (303) 241-9351

COMPANY BALCRON OIL	LOCATION 363' ENL, 600' FEL. (NE/NE) SECTION 14, T9S, R16E	FROM	TO
WELL BALCRON MONUMENT FEDERAL #41-14-J	COUNTY DUCHESNE	DEPTH LOGGED	1400' 5700'
FIELD JONAR UNIT <i>43-013-31408</i> <i>dnl</i>	STATE UTAH	DATE LOGGED	12/11/93 12/16/93
ELEVATION 5529' GL (unq) - 5539' KBDRILLING FLUID AIR MIST, SURFACE - TD		ENGINEERS JOHN KUYKENDALL FRED KUYKENDALL	

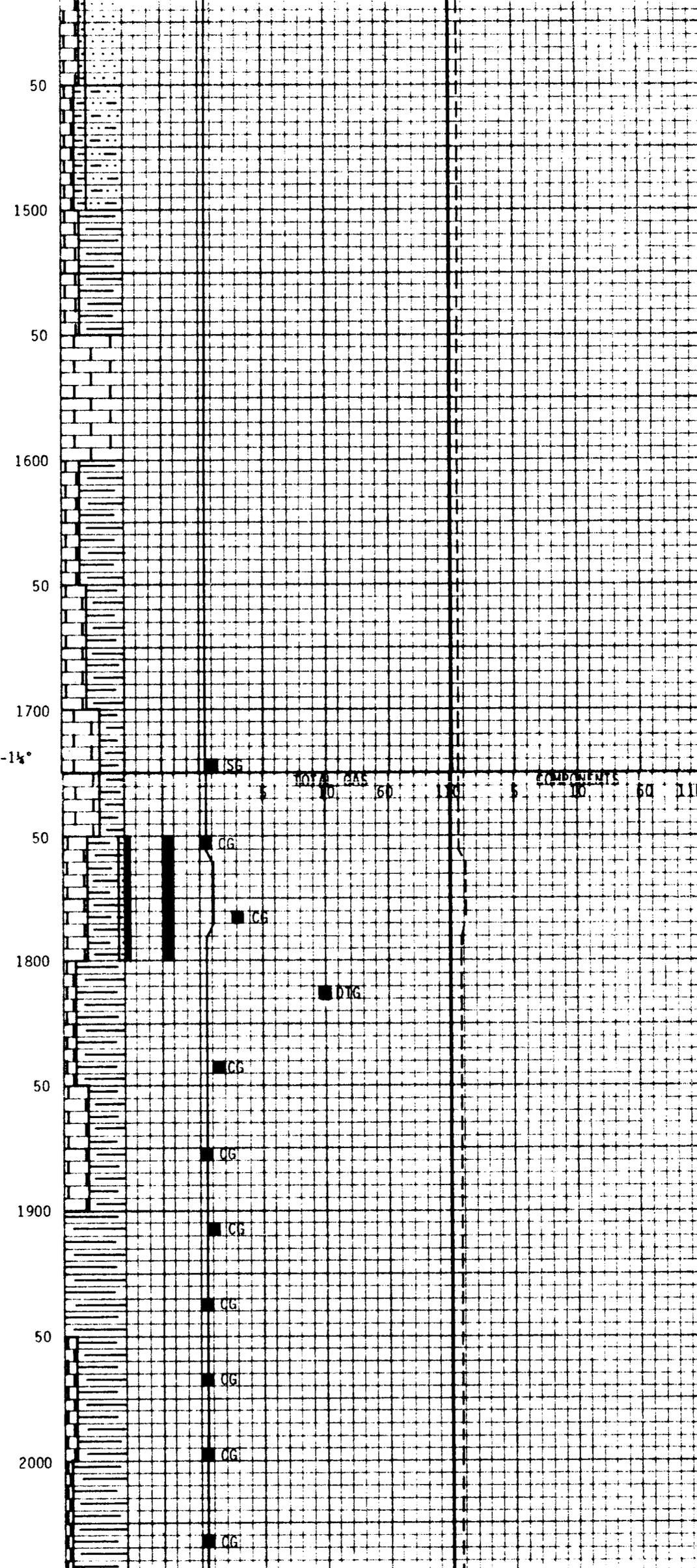
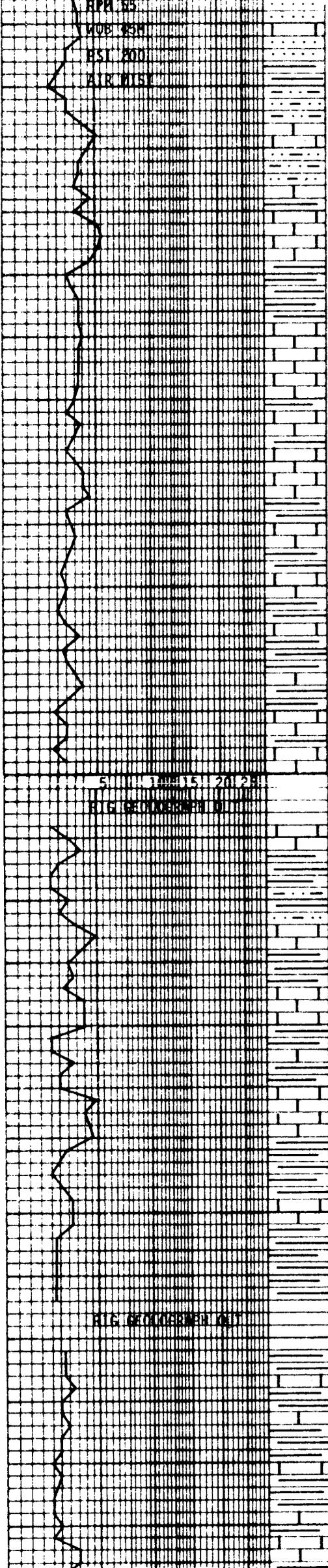
	SHALE		DOLOMITE		COAL
	SANDSTONE		CHERT		ANHY-GYP
	LIMESTONE		SALT		SILTSTONE

OIL SHOW

-  POOL
-  LEAK
-  SPILL
-  CORE NO.
-  DST NO.
-  O - DEVIATION
-  S - SHOW REPORT

LOGGING UNIT #1 ON LOCATION, RIGGED UP & READY TO LOG 12/11/93

DRILLING RATE IN				TIME		TOTAL GAS & CHROMATOGRAPH HYDROCARBON ANALYSIS				LOGGING UNIT #1 ON LOCATION, RIGGED UP & READY TO LOG 12/11/93	
MIN 1 FT	MIN 2 FT	MIN 5 FT	MIN 10 FT	PREV. LOG	PREV. LOG	TOTAL GAS	METHANE	PROPANE	BUTANE	PENTANE	HEXANE
5	10	15	20			5	10	60	10	5	10
12/12/93				1400						SS lt-mgy, s&p, glsy, vfgr, slty ip calc from tt	



LS m-dkrdbn, glsy, dns, micxn, plty-blky, frm-hd

SLTST offwh, ltgy, arg mtx, s&p, vfgr ip, calc, fri-frm, tt

SH lt-mgy, mbrn, sl bent ip, glsy ip, calc, plty-blky, frm-hd

LS lt-mrdbn, glsy, dns, crypt-micxn, plty-blky, frm-hd, grdg to mrlst, DULL YEL FLUOR, NO CUT

SH lt-mbrn, glsy, crypt-micxn, plty-blky, frm-hd, grdg to mrlst, DULL YEL FLUOR, NO CUT

LS lt-mrdbn, glsy, dns, crypt-micxn, plty-blky, frm-hd, grdg to mrlst, DULL YEL FLUOR, NO CUT

LS lt-mrdbrn, glsy, cryptxn, micxn ip, dns, plty-blky, frm-hd, grdg to mrlst, DULL YEL ORNG FLUOR, NO CUT

SH lt-mbrn, glsy, tr pyr spcs, calc, plty-blky, frm-hd

LS mrdbn, glsy, dns, micxn, blky, frm-hd, grdg to mrlst, DULL YEL FLUOR, NO CUT

SLTST lt-mgy, glsy, calc, frm, tt, YEL FLUOR, FAIR FAST STRM CUT

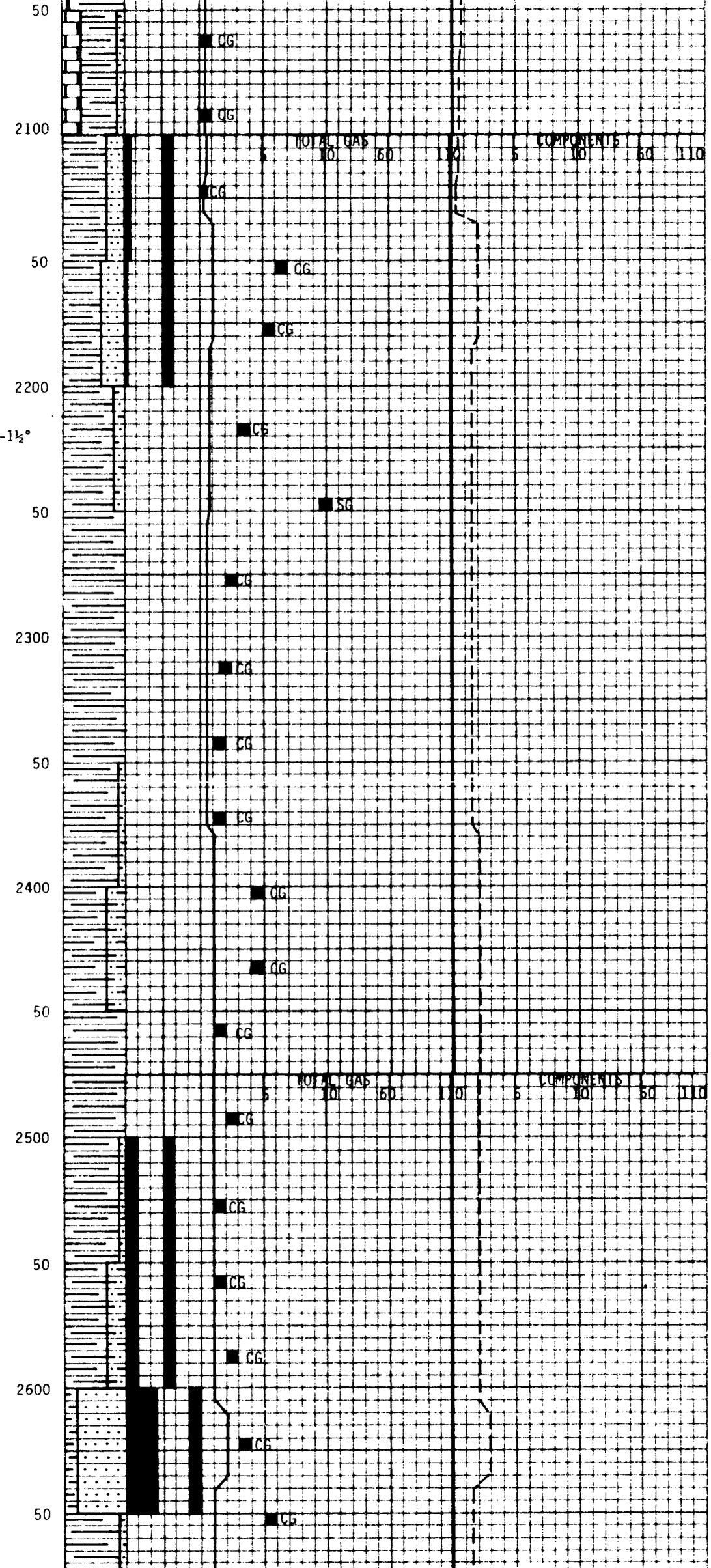
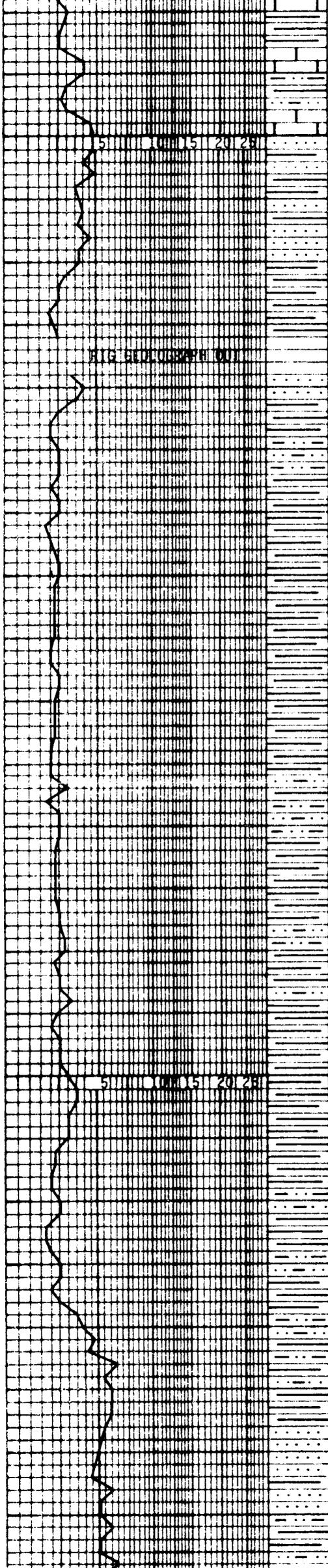
SH lt-mbrn, glsy, slty ip, crypt-micxn, plty-blky, frm, grdg to mrlst, VDULL YEL FLUOR, NO CUT

LS m-dkrdbn, glsy, tr pyr spcs, plty-blky, frm-hd, VDULL YEL FLUOR, NO CUT

SH lt-mbrn, mrdbn, glsy, crypt-micxn, lmy, plty-blky, frm-hd, grdg to mrlst, VDULL YEL FLUOR, NO CUT

SH mbrn, glsy, tr pyr spcs, lmy, plty-blky, frm-hd, grdg to mrlst, VDULL YEL FLUOR, NO CUT

LS mrdbn, glsy, tr pyr spcs, crypt-micxn, blky, frm-hd, grdg to mrlst



SH lt-mbrn, glsy, crypt-micxl, lmy, blk, frm-hd, grdg to mlst
 SLTST lt-mgy, glsy, vfgr ip, sbang-rnd, calc-lmy, frm, tt

SH mgy-mgrngy, m-dkrdbn, sl bent ip, sl glsy, calc, blk, frm-hd
 SS ltgy, clr, offwh, s&p, glsy, vfgr, sbrnd-rnd, calc, fri-frm, tt, 20%
YEL FLUOR, MOD CRUSH CUT

SH lt-mbrn, mgy, rdbn, glsy, tr pyr spcs, lmy, blk, frm-hd, grdg to mlst
 SS offwh, ltgy, arg mtz, glsy, vfgr sbang-rnd, lmy, fri-hd, tt, TR YEL SPOTTY FLUOR, SL STN

SH lt-mrdbn, pyr spcs, lmy, blk, plty ip, frm-hd, grdg to mlst, DULL YELORNG FLUOR, NO CUT

SH mbrn, mrdbn, glsy, slty, pyr spcs, lmy, blk, frm-hd, grdg to mlst, DULL YELORNG FLUOR, NO CUT

SH m-dkbrn, sl glsy, tr pyr spcs, calc-lmy, blk, plty ip, frm-hd

SLTST ltrdrm, vlmy, blk, sft-frm

SH m-dkbrn, lam, sl glsy, tr pyr spcs, calc-lmy, blk, frm-hd, grdg to mlst

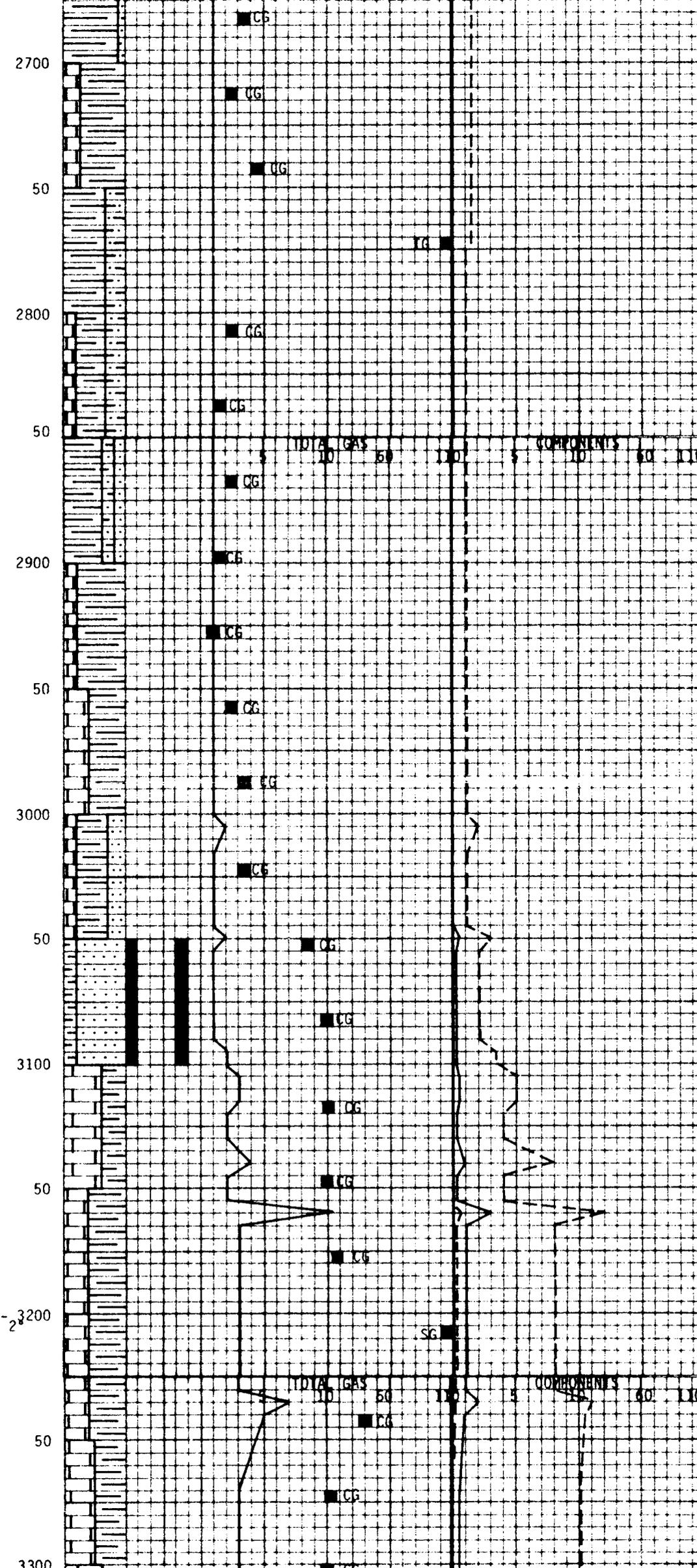
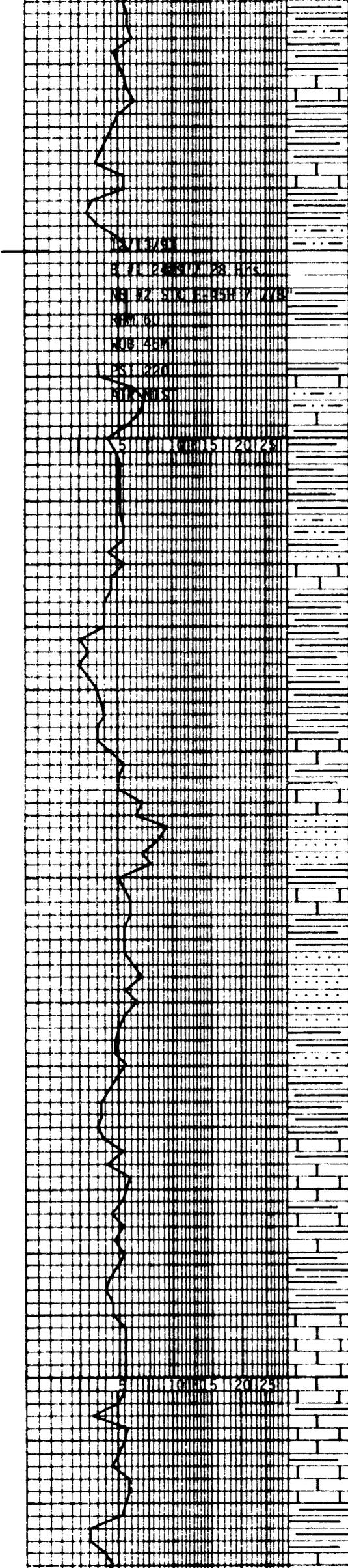
SLTST ltrdrm, lmy, blk, sft, frm ip
 SH dkbrn, mbrn ip, glsy, tr pyr spcs, calc-lmy, blk, frm-hd

SH dkbrn, glsy, pyr spcs, lmy, blk, frm-hd, grdg to mlst
 tr PYR

SLTST ltrdorng, vfgr ss ip, calc, fri-frm, DULL YEL FLUOR, FAST STRM CUT IP

SH m-dkbrn, mrdbn, glsy, tr pyr spcs, calc-lmy, blk, frm-hd, grdg to mlst
 SLTST ltrdorng, vfgr ss ip, calc, fri-frm, DULL YEL FLUOR, FAST STRM CUT IP

SS clr, ltgy, m-cgr, ang-sbrnd, uncon, VLTRN OIG STN IP, VDULL YEL FLUOR, FAST STRM CUT



SH lt-mbrn, glsy, tr pyr spcs, calc-lmy, plty-blky, frm

LS lt-mrdorng, glsy, crypt-micxn plty-blky, frm, DULL YEL FLUOR, NO CUT

SH lt-dkbrn, glsy, tr pyr spcs, calc-lmy, plty-blky, frm

SLTST lt-mrdorng, vlm, blk, sft-frm, grdg to ls DULL YEL FLUOR, NO CUT

GILSONITE - ASPHALT SWELLING INTO HOLE - TITE HOLE - TRIP BIT & CLEAN HOLE

SLTST ltgy, ltrdorng, glsy, vfgr ip, sbrnd-rnd, calc, frm, tt, grdg to vfgr ss ip

LS lt-mrdorm, glsy, arg ip, plty-blky, frm, tt

SH mgrngy, mgy, sl bent ip, sndy ip, calc, blk, frm-hd

SLTST ltrdorng, vfgr ss ip, glsy, frm-hd, tt, grdg to vfgr ss ip

SS ltgy, clr, s&p, vf-fgr, sbang-rnd, calc, fri-frm, sl tt

LS off, ltbrn, gran ip, dns, crypt-micxn, blk, frm-hd

SH lt-mbrn, lt-mrdbn, slty ip, glsy ip, crypt-micxn, plty-blky frm-hd, YEL FLUOR, NO CUT

LS lt-mrdorng, glsy, crypt-micxn plty-blky, frm-hd, grdg to sltst

SS lt-mgy, glsy, tr s&p, vfgr, slty ip, calc, fri-frm, tt

SH lterm, crypt-vfxln, blk, frm-hd

SS ltgy, clr, tr s&p, vf-fgr, sbrnd-rnd, calc, fri, tt ip, SPOTTY BRN OIL STN, NO FLUOR, POOR FAST STRM CUT IP

SH ltbrn, ltgy, sl bent, calc, plty-blky, frm

LS wh, crypt-micxn, blk, frm

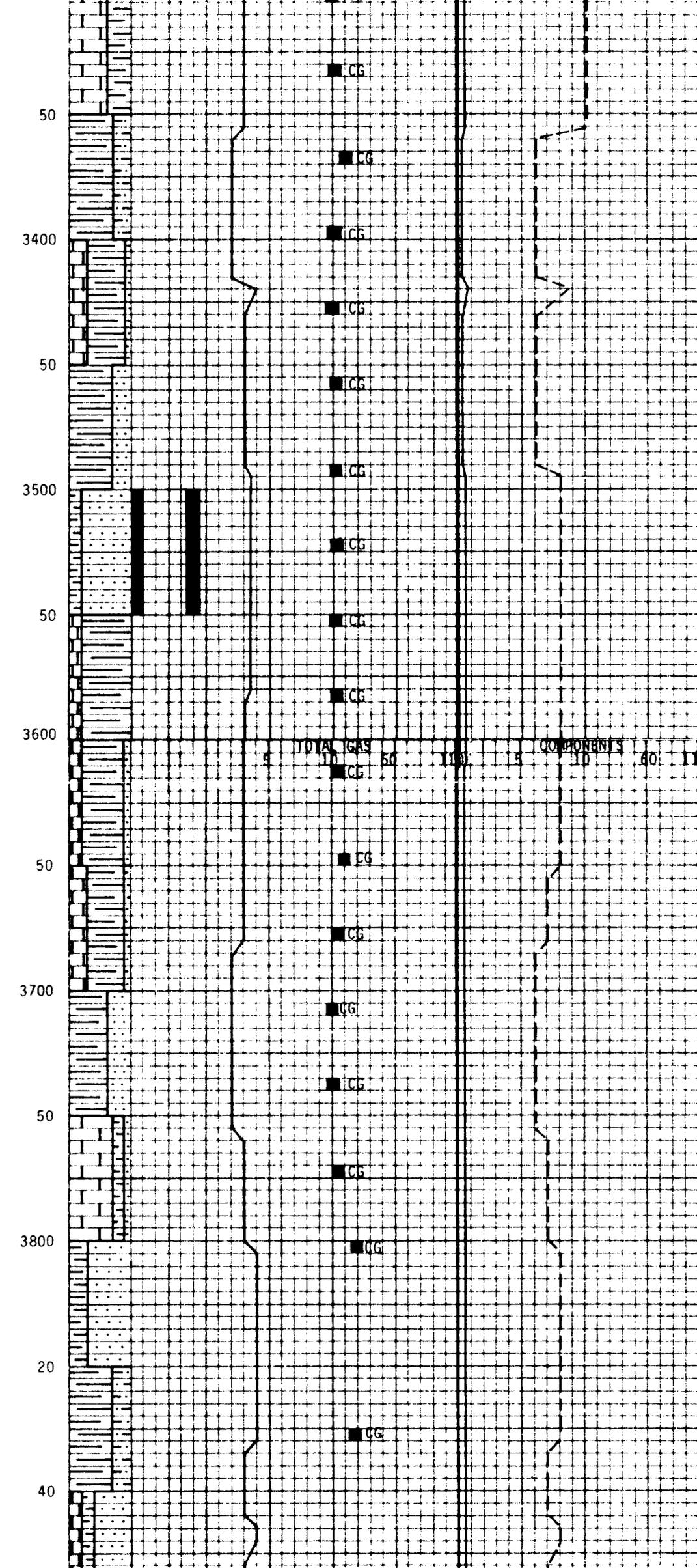
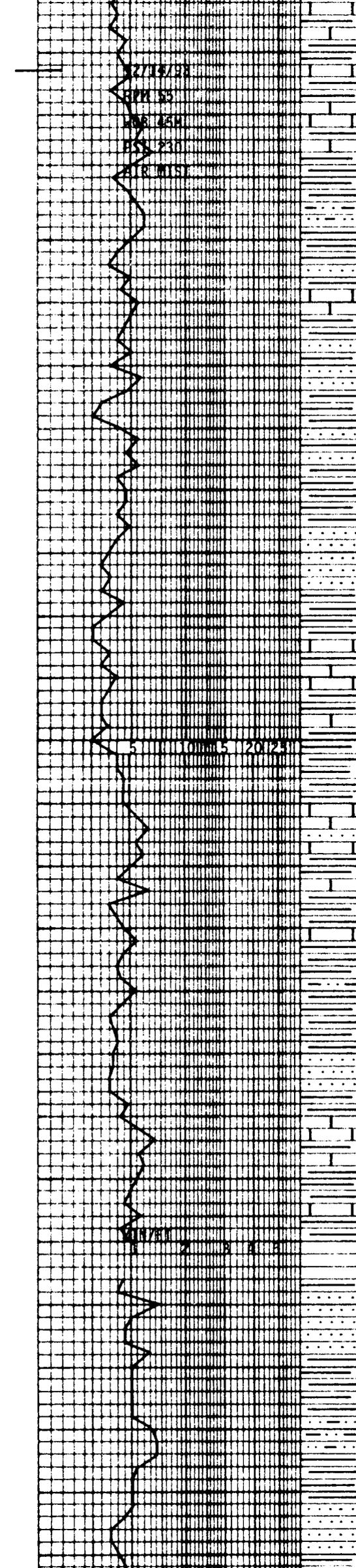
SH m-dkrdbn, glsy, crypt-micxn blk, frm-hd, grdg to mrlst

LS lterm, offwh ip, crypt-vfxln, clas ip, plty-blky, frm-hd, VDULL YEL FLUOR, NO CUT

SH lt-mbrn, mrdbn, m-dkgy, bent ip, glsy, tr pyr spcs, calc, plty-blky, frm

LS lterm, offwh, sl ang, mic-vfxln blk, frm-hd, VDULL YEL FLUOR, FAST STRM CUT IP

SH lt-mgy, bent, sl-calc, plty-blky frm



LS lt-mrdcrn,sl arg,sl gran,mic-vfxln,blky,frm-hd,VDULL YEL FLUOR, TR FAST STRM CUT

SH lt-mblgy,lt-mgy,sl bent,sl glsy,tr pyr spcs,calc,plty-blky frm

SLTST ltgy,sl s&p,glsty,vfgr ip, sbrnd-rnd,calc,fri-frm,tt,TR VLTBRN OIL STN, NO FLUOR, SL STN

LS lt-mcrn,clas ip,mic-vfxln,blky,frm,DULL YEL FLUOR, MOD STRM CUT IP

SH lt-mblgrn,lt-mgy,sl bent,tr pyr spcs,calc,plty-blky,frm

SS ltgy,mgy ip,clr,glsty,vf-fgr, mgr ip,sbang-sbrnd,calc,fri-frm tt ip

SS ltgy,clr,vf-fgr,sbrnd-rnd, calc,fri,SPOTTY BRN STN, NO FLUOR, FAIR MOD STRM CUT IP

LS lt-mrdcrn,slty,plty-blky,frm-hd

SH m-dkbrn,lt-mgy,mgrngy,bent ip,glsty ip,calc-lmy,sb plty-blky frm-hd,arda to mlst ip,DULL YEL FLUOR, NO CUT

SH lt-mgy,lt-mgrngy,sl bent,tr pyr spcs,calc,plty-blky,frm

LS lt-mrdcrn,glsty,dns,gran ip, crypt-micxln,plty-blky,frm,DULL YEL FLUOR, NO CUT

SLTST ltgy,clr,glsty,calc,fri-frm,tt

SH lt-mgy,mbrn,sl glsty,sl bent, tr pyr spcs,calc,plty-blky,frm

SH mgrngy,sl bent,tr pyr spcs, calc,plty-blky,frm

SS ltgy,clr,glsty,vfgr,slty ip, calc,fri-frm,grdg to sltst

LS lterm,ltrdcrn,glsty,dns,crypt xln,micxln ip,blky,frm-hd,VDULL YEL FLUOR, NO CUT

NOTE SCALE CHANGE FROM 2"=100' TO 5"=100'

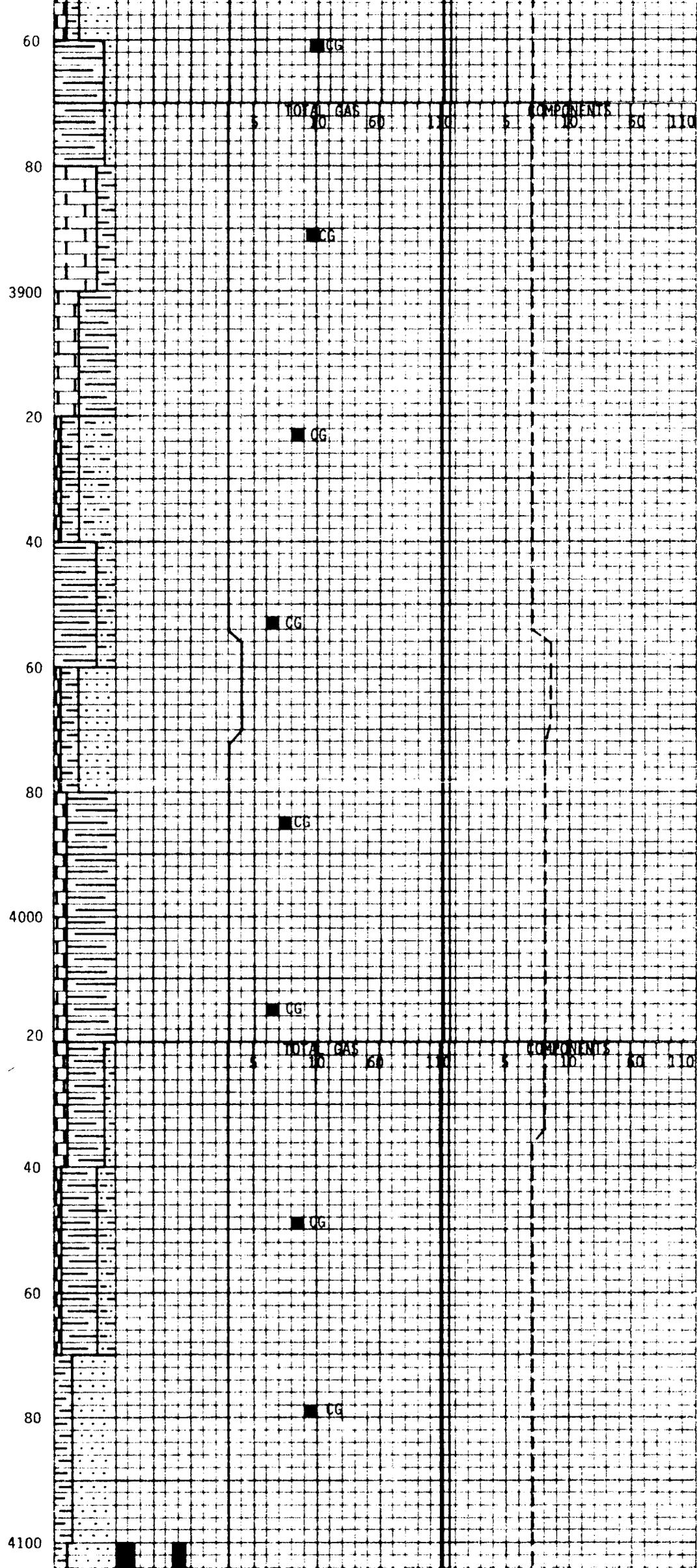
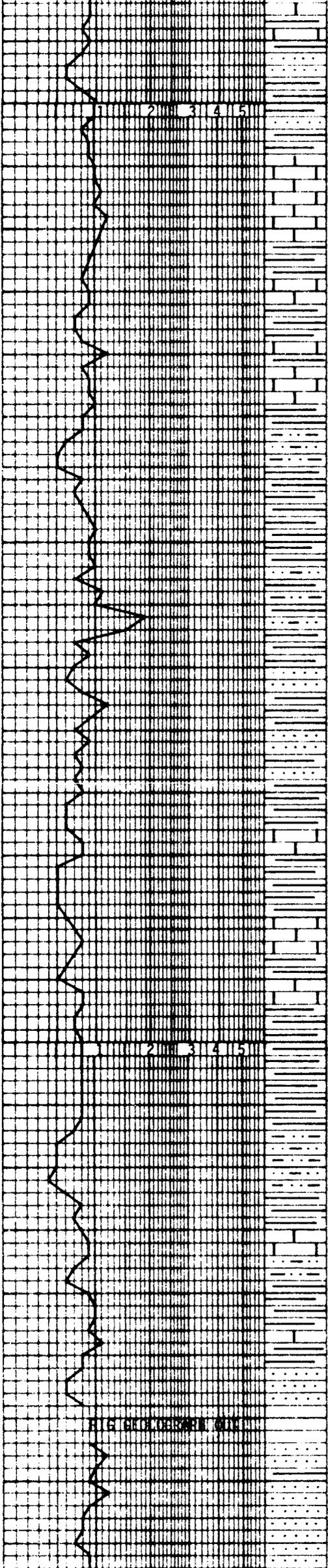
SS ltgy,clr,vfgr,sbang-rnd,calc fri,sl tt,TR SPOTTY BRN OIL STN NO CUT

SLTST ltgy,clr,sl glsty,vfgr ss ip,sbang-rnd,calc,fri-frm,tt

SH lt-mgy,sl bent,tr pyr spcs, calc,plty-blky,frm

SS ltgy,clr,vfgr,sbang-rnd,calc-lmy,fri

TOTAL GAS 5 10 50 100 5 COMPONENTS 5 10 60 100



SH lt-mgy,sl bent,calc,plty-blky,frm

LS lt-mrdcrm,sl arg,glsty ip, crypt-micxln,plty-blky,frm,DULL YEL FLUOR, NO CUT

SH lt-mgy,lt-mgrngy,mbrn,sl glsty calc,spinty-blky,sft-frm

LS lt-mrdcrm,glsty,crypt-micxln plty-blky,frm,VDULL YEL FLUOR, NO CUT

SLTST ltgy,clr,glsty,vfgr ss ip, sbrnd-rnd,calc,fri-frm

SH lt-mgy,lt-mgrngy,sl bent, calc,plty-blky,frm

SLTST ltgy,clr,glsty,vfgr ss ip, sbrnd-rnd,calc,fri-frm

SH lt-mgrngy,lt-mgy,sl bent,tr pyr spcs,calc,plty-blky,frm

SS ltgy,clr,glsty,sl arg mtx,slty ip,vfgr,sbang-rnd,calc,fri-frm, grdg to sltst

SH m-dkbrn,lt-mgrngy,lt-mgy,sl bent ip,calc,plty-blky,frm

LS lt-mrdbrn,glsty,dns,cryptxln, blky,frm-hd,VDULL YEL FLUOR, NO CUT

LS lt-mrdorng,dns,crypt-micxln, blky,frm-hd

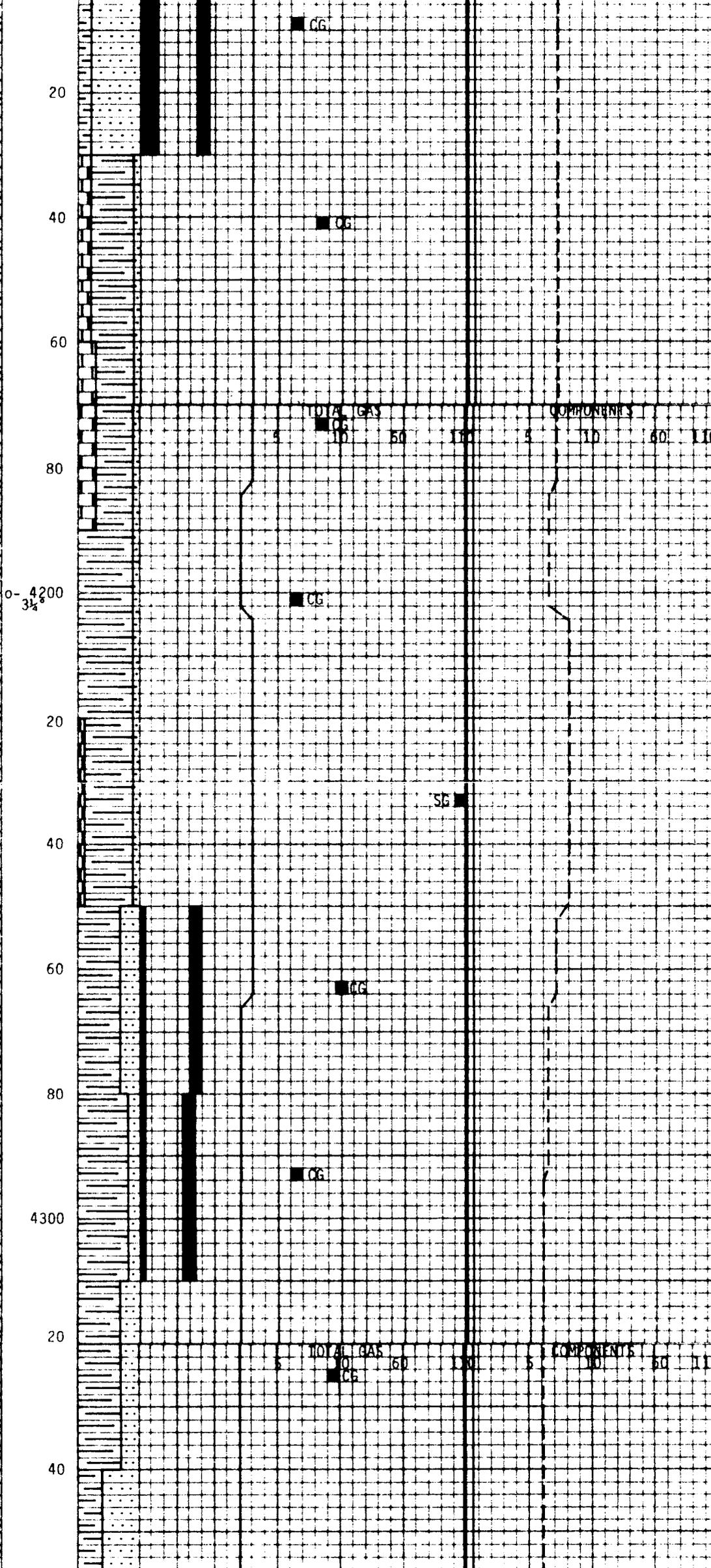
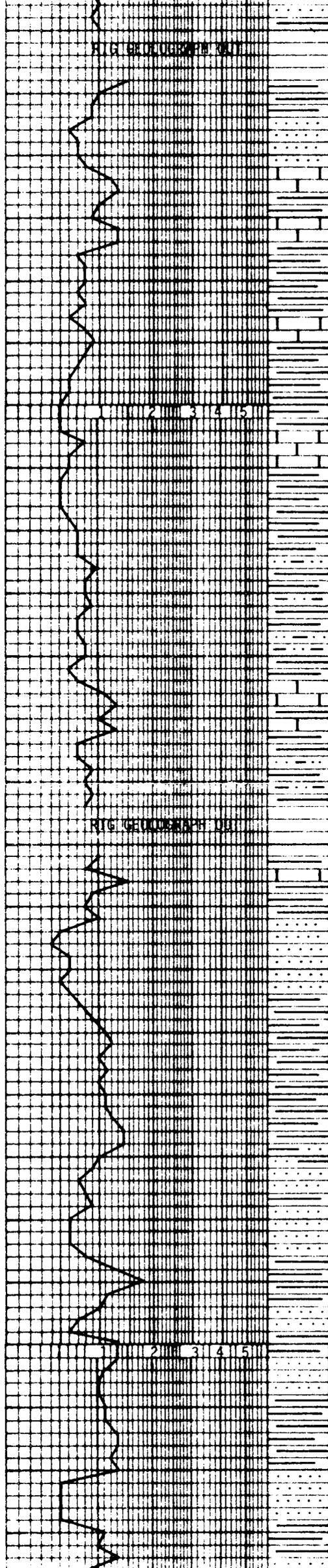
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SLTST ltgy,clr,glsty,calc,fri-frm,tt

SH lt-mgy,sl bent,tr pyr spcs, calc,spinty-blky,frm

SS clr,ltgy,sl-glsty,vfgr,slty ip,sbrnd-rnd,calc,fri-frm,tt ip,grdg to sltst

SH lt-mgy,sl bent,tr pyr spcs, calc,spinty-blky,frm



SS clr,ltgy,vf-fgr,sbrnd-rnd,
uncon & calc,fri,BRN OIL STN IP
POOR FAST STRM CUT

SH m-dkrdbn,glcy,micxln,lmy,
blky,frm-hd,grdg to mlst

SH mbrn,mrdbn,mgc,glcy,cryptxln
calc-lmy,splnty-blky,frm,grdg
to mlst

LS lt-mrdcm,glcy,dns,cryptxln,
plty-blky,frm

SLTST lt-mgy,glcy,vfgr ss ip,
sbang-rnd,calc,fri-frm,tt

LS lt-mrdcm,lt-mrcm,glcy,crypt-
xln,micxln ip,plty-blky,frm

SH lt-mgy,mrdbn,sl bent,calc,
plty-blky,frm

SLTST ltgy,clr,glcy,vfgr ss ip,
calc,fri

LS ltrm,ltbrn,glcy,cryptxln,
dns,blky,frm-hd

SH lt-mgy,mbrn,sl bent,tr pyr
spsc,calc,plty-blky,frm

SLTST lt-mgy,clr,glcy,fri-frm,
tt

SS ltgy,clr,vf-fgr,sbrnd-rnd,
calc,fri-frm,TR SPOTTY BRN OIL
STN,NO FLUOR,POOR MOD STRM CUT
IP

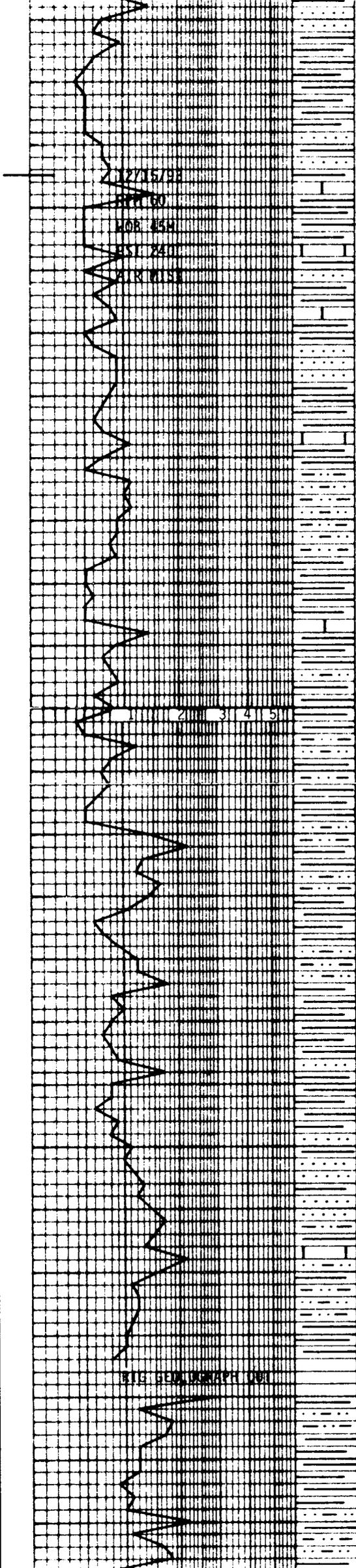
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sl tt,TR BRN OIL STN,POOR MOD
STRM CUT

SH lt-mgy,mbrn,sl bent,tr pyr
spsc,calc,plty-blky,frm

SS ltgy,offwh,glcy,tr s&p,vf-
fgr,sbrnd-rnd,calc,fri-frm,sl tt

SS ltgy,clr,sl glcy,vf-fgr,
sbang-sbrnd,calc,fri-frm,sl tt



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80
4400
20
40
60
80
4500
20
40
60
80
4600

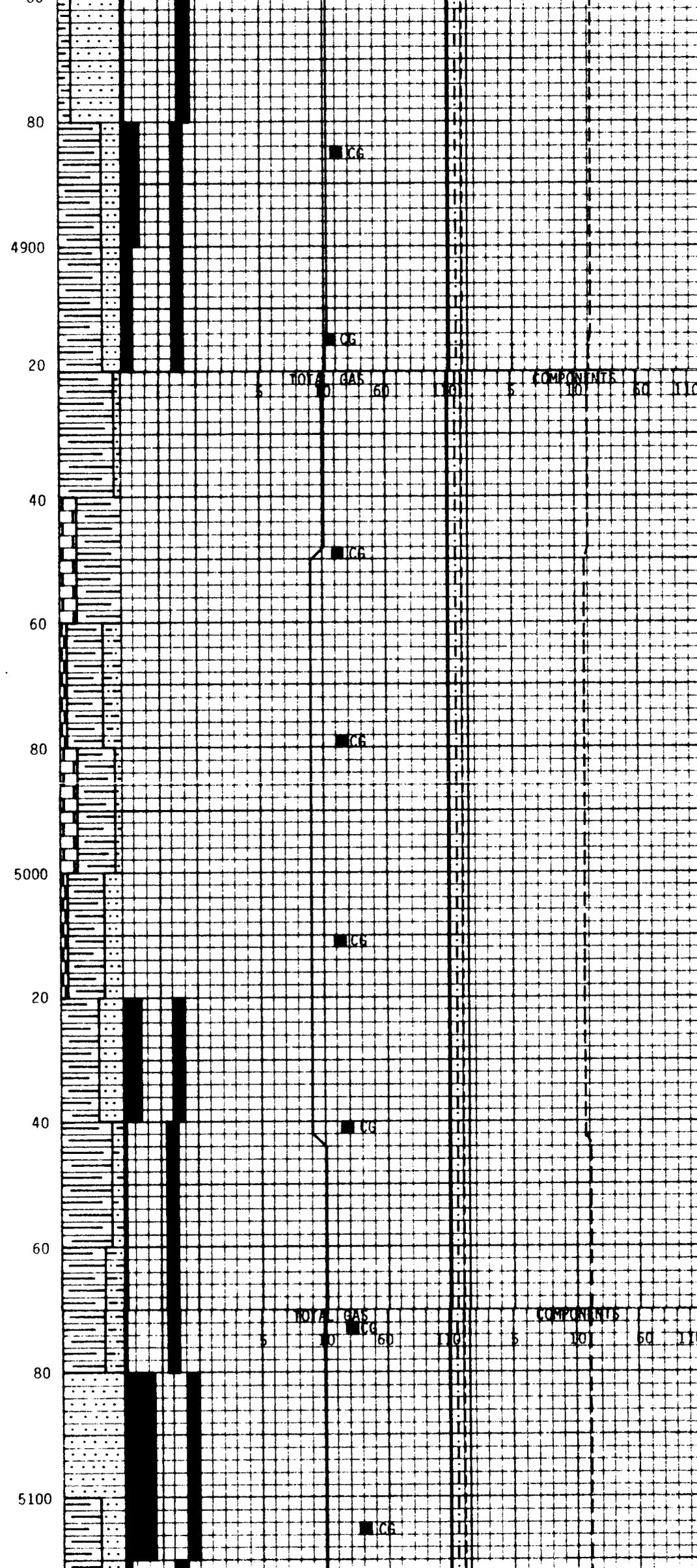
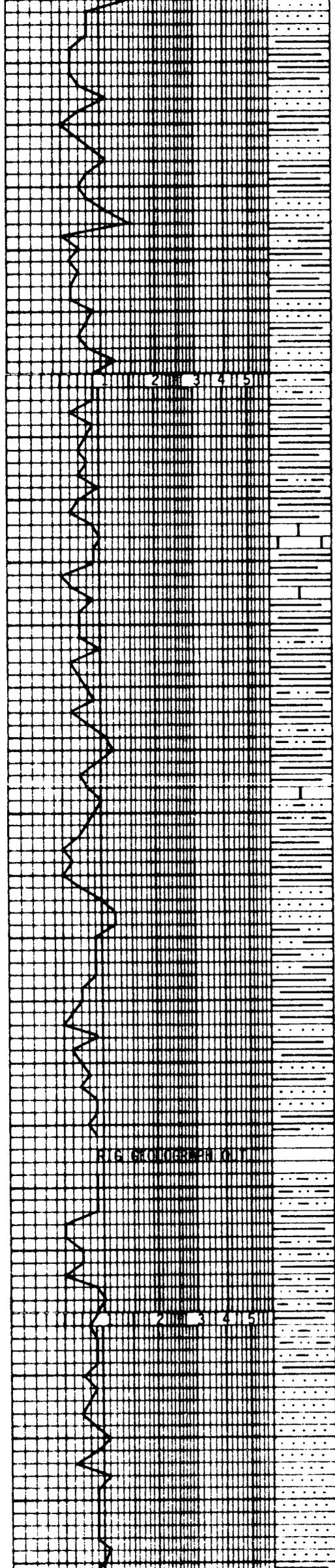
TOTAL GAS COMPONENTS
5 10 60 110 5 10 60 110

CG
CG
CG
CG
CG
CG
CG
CG
CG
CG

SH mbrn,lt-mgy,sl bent,calc, plty-blky,frm
SS lt-mgy,clr,glsty,tr s&p,vfgr -slty,calc,fri-frm,tt,grdg to sltst
LS lterm,ltrdorm,slty,crypt-micxn,plty-blky,sft-frm
SH lt-mbrn,lt-mgy,sl bent,calc plty-blky,frm
LS lt-mrdorm,slty,crypt-micxn, plty-blky,sft-frm
SS ltgy,clr,glsty,tr s&p,vfgr- slty,calc,fri-frm
SH lt-mgrngy,lt-mgy,sl bent,calc plty-blky,frm
SLTST ltgy,clr,sl glsy,calc, fri-frm,sl tt
SH lt-mgy,sl bent,tr pyr spcs, calc,plty-blky,frm
SLTST ltgy,clr,glsty,calc,fri
SH lt-mgy,sl bent,calc,plty, blky ip,frm
SLTST ltgy,clr,offwh,glsty,vfgr ss ip,calc,fri,frm ip,tt,grdg to ss ip
SH lt-mgy,sl bent,calc,plty-blky,frm
SS ltgy,clr,mgy ip,glsty,vfgr, slty,calc,frm,hd ip,tt,grdg to sltst ip
SH mgy,mgrngy,sl bent,calc-lmy plty ip,blky,frm-hd
LS m-dkrdbn,glsty,crypt-micxn splnty,blky ip,frm-hd
SH lt-mgy,mbrn,bent,tr pyr spcs calc,plty,blky ip,frm
SLTST ltgy,clr,sl glsty,vfgr ss ip,calc,fri-frm,sl tt,DULL YEL FLUOR IP, POOR FAST STRM CUT IP
SH lt-mgy,mgrngy,sl bent,calc, plty-blky,frm
SLTST ltgy,clr,sl glsty,vfgr ss ip,calc,fri-frm,sl tt,DULL YEL FLUOR IP, TR POOR FAST STRM CUT

12/15/88

WIG BEH. GRAPH. 081



crypt-micxln, blk, frm-hd, DULL
 YEL FLUOR, NO CUT

SH lt-mgy, calc, plty-blky, frm

SS ltgy, clr, vfgr-slt, calc, fri
 & uncon, TR DKBRN OIL STN, POOR
 SLOW STRM CUT IP - STN

SS lt-mgy, clr ip, vfgr-slt, calc,
 fri-frm, tt ip, grdg to sltst, TR
 BRN OIL STN, VDULL YEL FLUOR,
 FAIR FAST STRM CUT

SH lt-mgy, sl bent, calc, plty-
 blk, sft-frm

SS lt-mgy, clr, vfgr, sbrnd-rnd,
 calc, fri, TR BRN OIL STN, VDULL
 YEL FLUOR, FAIR SLOW STRM CUT

SH m-dkbrn, mgy ip, glsy, calc,
 splty-blky, frm

SLTST ltgy, sl glsy, calc, fri

LS lt-mrm, mrdm, slty ip, crypt-
 micxln, plty-blky, sft-frm

SH dkbrn, mbrn ip, calc, plty-blky,
 sft-frm

SLTST ltgy, clr, glsy, calc, fri-
 frm, tt

SH ltgy, mbrn ip, sl bent, calc,
 blk, plty ip, sft-frm

LS mrdng, mrdbrn, glsy, sl ang,
 crypt-micxln, blk, frm

SH lt-mgy, sl bent, tr pyr spcs,
 calc, plty-blky, sft-frm

SS ltgy, clr, ltbrn ip, glsy, vfgr-
 slty, sbrnd-rnd, calc, fri

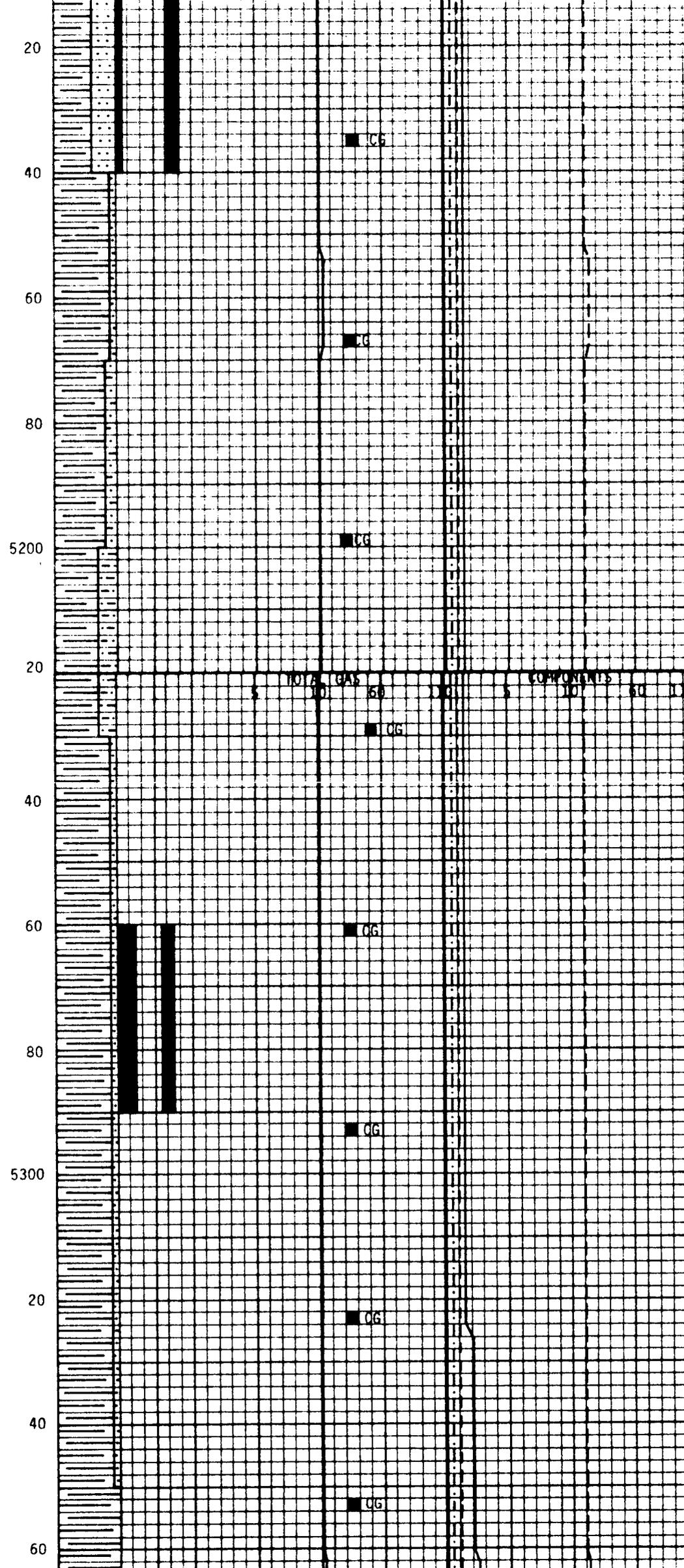
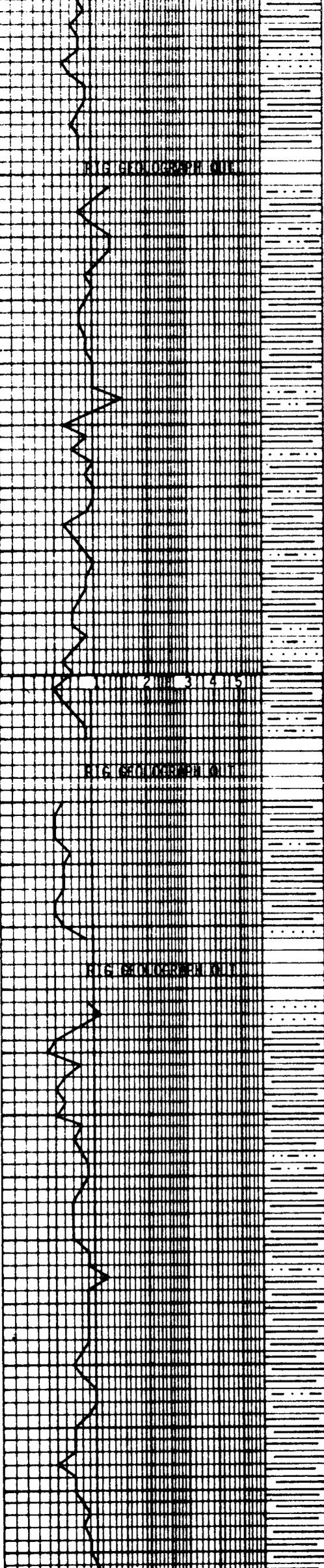
SS ltgy, vfgr-slt, sbrnd-rnd,
 calc, fri, VLTBRN OIL STN IP, GOOD
 FAST STRM CUT IP

SLTST lt-mgy, vfgr ss ip, sbrnd-
 rnd, calc, fri-frm, tt, VLTBRN OIL
 STN IP, SL CUT

SH lt-mgy, mbrn ip, sl bent, tr
 pyr spcs, calc, plty-blky, frm-hd
 SLTST lt-mgy, vfgr ss ip, sbrnd-
 rnd, calc, fri-frm, tt, VLTBRN OIL
 STN IP, SL CUT

SS ltgy, clr, fgr, mgr ip, sbang-
 rnd, uncon, LTBRN OIL STN, VDULL
 YEL FLUOR, GOOD FAST STRM CUT
 DRY

SS ltgy, clr, vfgr-slt, calc, fri,
 TR VLTBRN OIL STN, SL CUT



SH lt-mgy,lt-mgrngy,sl bent, calc,plty,blky ip,sft-frm

SH m-dkbrn,lt-mgy,sl bent ip, calc,plty-blky,sft-frm
SLTST ltgy,glgy,calc,fri-frm,tt

SH lt-mgy,mbrn,sl bent,calc,plty blky ip,sft-frm

SLTST ltgy,clr,glgy,calc,fri-frm,tt
SH lt-mgy,mbrn ip,sl bent,calc plty,blky ip,sft-frm
tr SS ltgy,clr,fg, sbrnd-rnd, calc,fri,DKBRN OIL STN,FAIR

FAST STRM CUT

SH ltgy,m-dkbrn,tr pyr spcs,sl carb,calc,plty-blky,frm

SLTST ltgy,glgy,vfgr ss ip, sbang-rnd,calc,fri-frm

SH ltgy,m-dkbrn,tr pyr spcs,sl carb,calc,plty-blky,frm

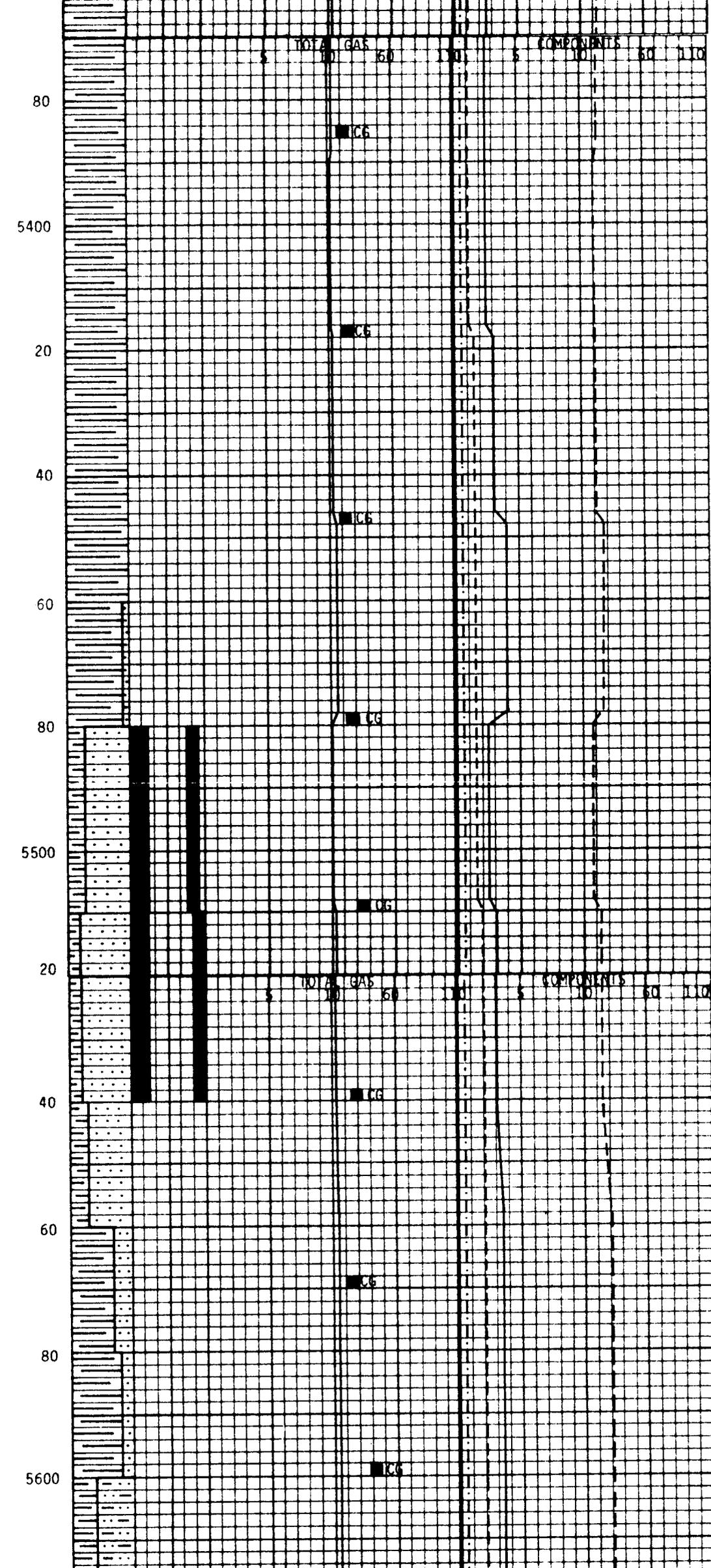
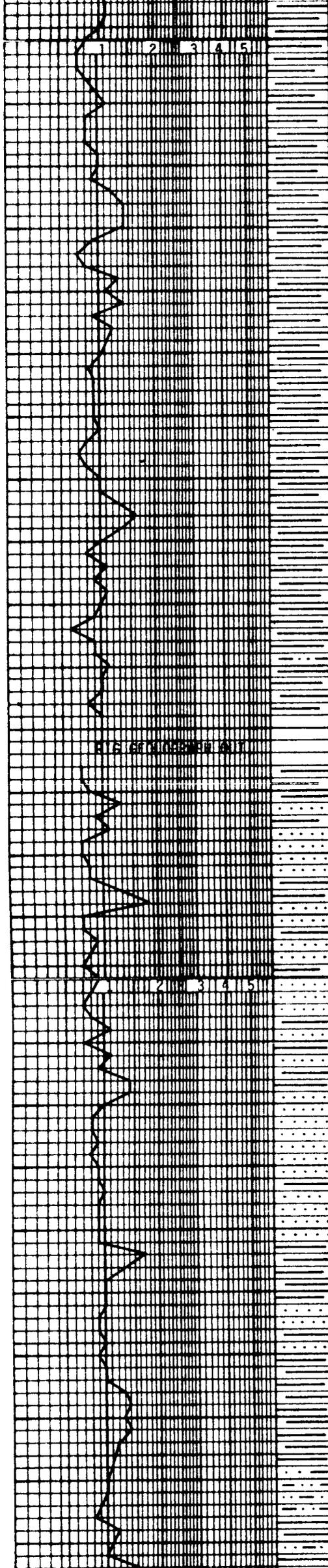
SS ltgy,vfgr,sbang-rnd,calc, fri-frm,tt ip,DKBRN OIL STN, VDULL YEL FLUOR IP, GOOD FAST STRM CUT IP - SLOW STRM CUT

SLTST ltgy,ltbrn,sl glgy,calc, frm-hd,tt

SH m-dkbrn,lt-mgy,carb ip,sl bent ip,calc,blky,frm-hd

SLTST lt-mgy,glgy,vfgr ss ip, calc,frm-hd,tt
SH m-dkbrn,mg,carb ip,bent,pyr spcs,sl calc,blky,frm-hd

SH m-dkbrn,tr mgy,carb,tr bent, pyr spcs,calc,blky,frm



SH dkbrn,mbrn ip,ltgy ip,carb,
sl slty,pyr spcs,tr bent,sl-calc
plty-blky,frm

SH mgy,mbrn,dkbrn ip,bent ip,
carb ip,sl slty ip,pyr spcs,sl-
calc,plty-blky,frm

SH m-dkbrn,pyr spcs,calc,plty-
blky,frm

SH m-dkbrn,mgy ip,tr pyr spcs,
calc,plty-blky,frm

SLTST clr,ltgy,glsty,calc,fri-
frm

SH mgy,m-dkbrn,sl carb,bent ip,
pyr spcs,calc,plty-blky,frm

SS clr,ltgy,glsty ip,vf-fgr,
sbrnd-rnd,calc,fri & uncon,
LTBRN SPOTTY OIL STN IP, DULL
YEL FLUOR, FAIR MOD STRM CUT DRY

SS clr,m-cgr,sbang-rnd,uncon,sm
fgr,calc,fri,LTBRN SPOTTY OIL
VDULL YEL FLUOR, POOR FAST STRM
CUT DRY

SS ltgy,vltbrn,slty-vfgr,sbrnd-
rnd,calc,fri,grdg to sltst

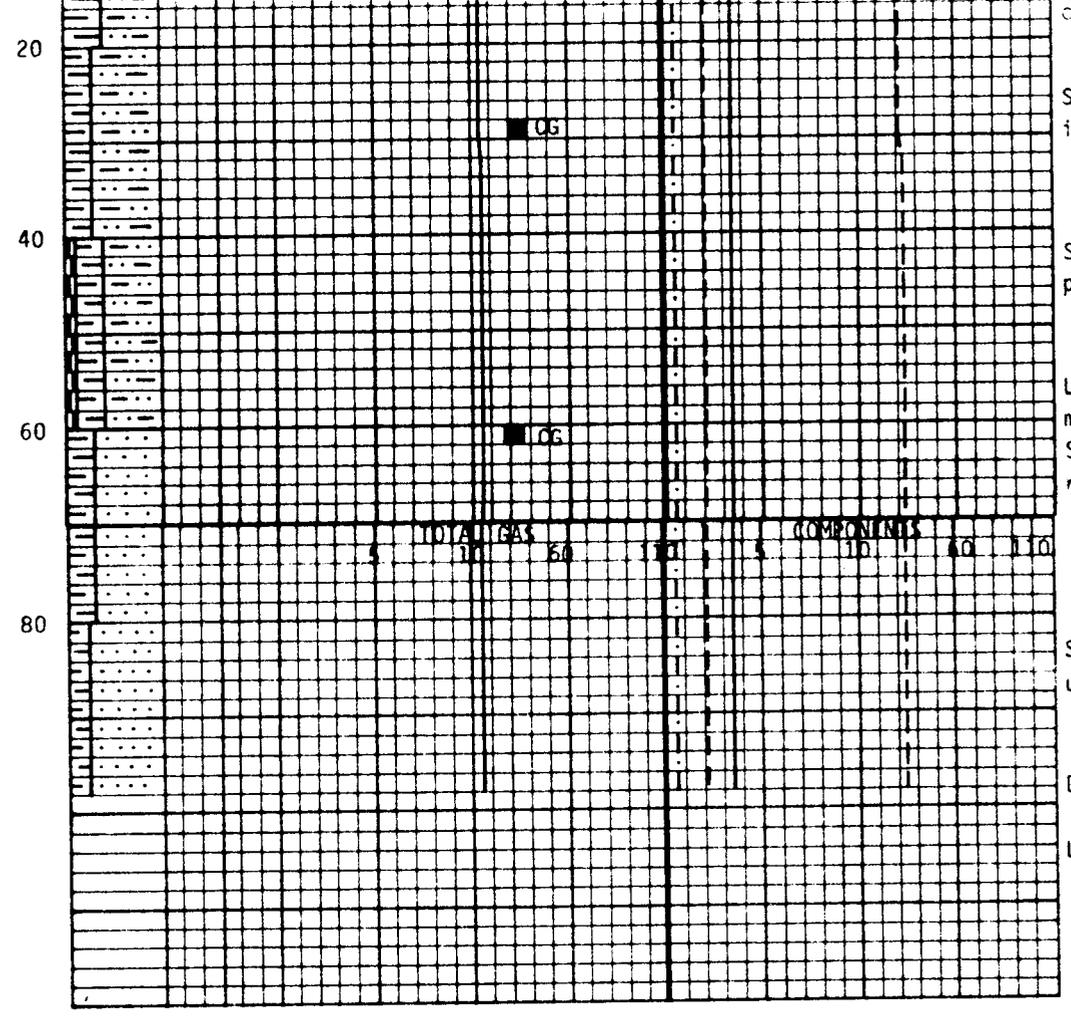
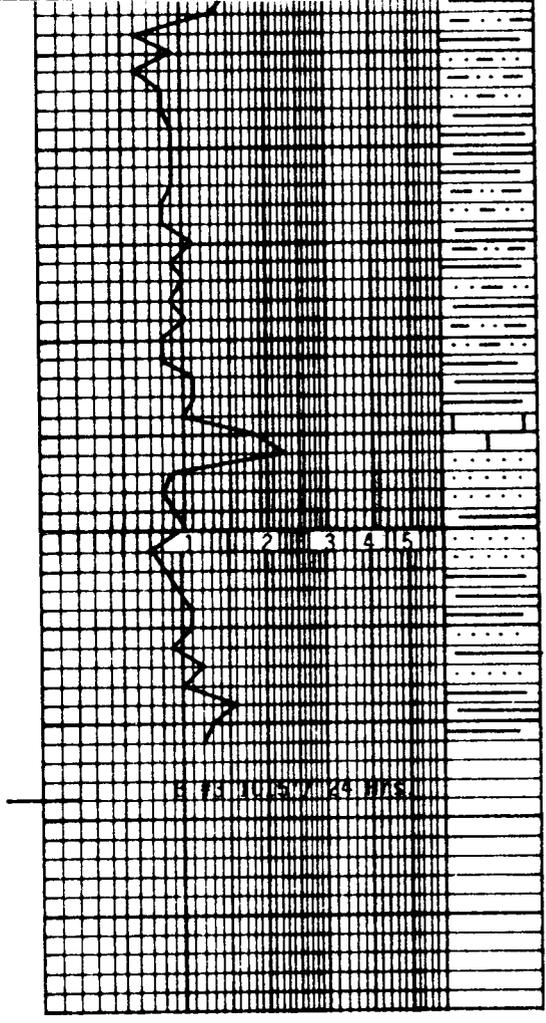
SH lt-mgy,mbrn,sl bent,sl slty,
pyr spcs,calc,plty,blky ip,sft-
frm

SH lt-mgy,m-dkbrn,bent ip,carb
ip,sl slty,pyr spcs,calc,plty-
blky,sft-frm

SS ltgy,clr,vfgr-slty,sbrnd-rnd
calc,fri-frm,tt,grdg to sltst

SLTST ltgy,vltbrn,sl glsty,vfgr
ss ip,calc,fri-frm,tt

SH lt-mgy,m-dkbrn,bent,carb ip,



calc, plty-blky, sft-frm

SLTST ltgy, vltbrn, sl glsy, vfgr, ip, calc, fri-frm, tt

SH lt-mgy, sl bent, sl slty, calc, plty-blky, sft-frm

LS m-dkrdbn, glsy, dns, crypt-mixln, blky, frm-hd

SS ltgy, clr, tr, s&p, vfgr, sbrnd-rnd, calc, fri

SS ltgy, clr, vf-fgr, sbang-rnd, uncon

DRILLERS TD 5698'

LOGGING UNIT #1 RELEASED 12/16/9

BALCRON OIL
DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-14J

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

---TIGHT HOLE---

- 12-27-93 Completion
CP - vac. TIH & set packer @ 4979' KB, EOT @ 5014' KB. Made 15 swab runs, recovered 45 BW, trace of oil. Swabbed fluid down to SN in 13 runs. Waited 30 min between 13 & 14 & between 14 & 15. Had 200' of entry on both runs, no sand. Release packer, tag sand @ 5089' KB. Circ hole clean, release BP. Reset BP @ 4850' KB. Pressure test BP to 1000 psi - OK. TOOH w/156 jts 2-7/8" tbg, SN, 5-1/2" packer, 1 jt 2-7/8" tbg & retrieving tool. SWIFN.
DC: \$5,184
- 12-27-93 Completion
CP - vac. TIH & set packer @ 4979' KB, EOT @ 5014' KB. Made 15 swab runs, recovered 45 BW, trace of oil. Swabbed fluid down to SN in 13 runs. Waited 30 min between 13 & 14 & between 14 & 15. Had 200' of entry on both runs, no sand. Release packer, tag sand @ 5089' KB. Circ hole clean, release BP. Reset BP @ 4850' KB. Pressure test BP to 1000 psi - OK. TOOH w/156 jts 2-7/8" tbg, SN, 5-1/2" packer, 1 jt 2-7/8" tbg & retrieving tool. SWIFN.
DC: \$5,184
- 12-28-93 TD: 5,698'
Present Operation: Completion
RU Schlumberger to perforate 4,724'-30' & 4,732'-37'; 2 SPF. TIH w/152 jts 2-7/8" tubing; set packer @ 4,701' KB. RU Western to do HCL breakdown on 4,724'-30' & 4,732'-37'. Refer to treatment report. TOOH w/tubing & packer. RU Western to sand frac 4,724'-30' & 4,732'-37'. Refer to treatment report. SWIFD.
DC: \$23,985
- 12-29-93 TD: 5,698'
Present Operation: Completion
TIH w/retrieving head, 1 jt 2-7/8" tubing, seat nipple, 5-1/2" packer & 152 jts 2-7/8" tubing. Tag sand fill at 4,798' KB, circulate down to 4,850' KB. Pull up & set packer at 4,671 KB, EOT at 4,706' KB. Made 16 swab runs. Recovered 55 BBLs water, trace of oil last three runs. Swab off seat nipple. 100' entry at 30 minutes. Release packer. Tag sand at 4,830. Circulate down to 4,850' (BP). Release BP & TOOH w/tubing & tools. TIH w/production string. SWIFN.
DC: \$1,821

Page 1 of 1

Balcron Oil
DAILY OPERATING REPORT

DATE: 1/3/94

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #41-14J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-30-93 Completion
 ND BOP, NU wellhead. TIH w/production string as follows:
 1 BHP 2-1/2" x 1-1/2" x 16' RWAC w/PA plunger, pump #1028 (Trico).
 202 3/4" x 25' plain rods, D-61 (Trico)
 one 3/4" x 8' pony
 one 3/4" x 4' pony
 one 1-1/4" x 22' polish rod (Trico)
 Clamp rods off. Test tbq & pump 1000 psi - OK. RDMO
 DC: \$7,355

BALCRON MONUMENT FEDERAL #24-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-30-93 Completion
 Start unit pumping 4-1/4" stroke, 86" stroke.
 DC: \$30,330

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal 41-14J

9. API Well No.

43-013-31440 08

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NE Section 14, T9S, R16E 363.3' FNL 600' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Report of First Production
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First production on this well was on 1-7-94 at 1 p.m.

14. I hereby certify that the foregoing is true and correct
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 1-7-94
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Page 1 of 1

Balcron Oil
DAILY OPERATING REPORT

DATE: 1/10/94

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #41-14J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

---TIGHT HOLE---

Prospect: Jonah Unit / Monument Butte

1-7-94

Completion

Start pumping @ 1 p.m. 4 SPM, 86" stroke.

DC: \$38,733

BALCRON MONUMENT FEDERAL #12-11J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 11, T9S, R16E
Duchesne County, Utah

---TIGHT HOLE---

Prospect: Jonah Unit / Monument Butte

PTD: 5700' Green River Oil - Dev.

1-10-94

Present Operation: Prepare to test BOP.

Get engine running & check rig out, finish NU BOP.

DC: \$550

CC: \$25,850

COPY TO:M.B. Auer
J. BalkenbushH.J. Damstrom
R.A. SchallaENGINEERING
GEOLOGY
LANDTELECOPY TO:D.L. Bole
J.A. Townsend
at EREC

EQUITABLE RESOURCES

43-013-31408

MONUMENT FED #41-14J
NE/NE SEC 14 T9S R16E

1/19/94



ENTRANCE

SURFACE SOIL

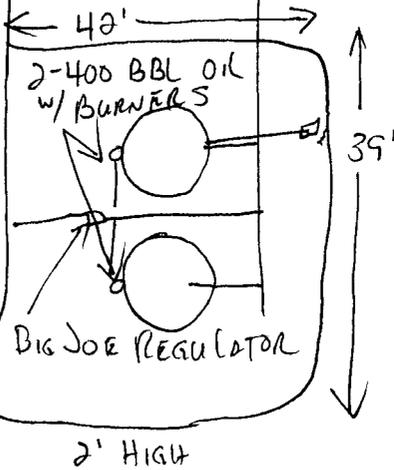
PROPANE TANK

Pumpjack

WELLHEAD

Flowline

Reserve Pit
still OPEN



VENT LINE

WELL REPORT

MONUMENT BUTTE FIELD
Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah
43-013-31408

CONFIDENTIAL

By

DENNIS REHRIG & ASSOCIATES, INC.

Oil & Gas Consulting

4924 Rimrock Road
Billings, Montana 59106

(406) 656-4785

WELLSITE GEOLOGIST'S REPORT

MONUMENT BUTTE FIELD
Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah

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DENNIS C. REHRIG & ASSOCIATES, INC.

Oil & Gas Exploration

4924 RIMROCK ROAD • BILLINGS, MONTANA 59106 • (406) 656-4785

MONUMENT BUTTE FIELD
Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah

TABLE OF CONTENTS

<u>Page</u>	<u>Item</u>
1	General Well Review
2	Well Data
5	Daily Drilling History
7	Surveys
8	Bit Record
9	Time/Depth Penetration Chart
10	Drilled Well Formation Tops
11	Reference Well Formation Tops
12	Significant Gas and Sample Shows
13	Sample Descriptions
Insert	Geologic Well Log

By:

DENNIS C. REHRIG

Consulting Geologist

For:

DENNIS C. REHRIG & ASSOCIATES, INC.

**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

GENERAL REVIEW

The Balcron Oil Co. 41-14J Monument Butte-Federal (NE $\frac{1}{4}$ NE $\frac{1}{4}$ S-14, T9S-R16E, Duchesne County, Utah) was drilled as a field infill development well in the Monument Butte Field.

This well was supported by subsurface offset well control and drilled for waterflood of productive sands and identification of anticipated additional Douglas Creek and Carbonate Marker oil sands.

The surface hole was air drilled and surface casing was set prior to moving Union Drilling Co. Rig No. 17 on location and spudding through surface casing December 11, 1993. A two-man mud logging unit and wellsite geologist were on site from 1400' to total depth. The Green River and Douglas Creek formations were penetrated at 1456' and 4544' making them respectively 6' high and flat structurally to the offset Diamond Shamrock Exploration Co. 34-11 Walton-Federal (SE $\frac{1}{4}$ SE $\frac{1}{4}$ S-11, T9S-R16E) control well.

A few sandstone zones below the 2nd Garden Gulch appear prospective based on mud-log, sample shows, and/or logs. The most prospective based on visual shows and sandstone development are in the Douglas Creek Formation at 4721'-4727' and Green Marker at 5043'-5051'. All sandstones which had significant gas and/or visual shows are noted elsewhere in this report.

This well was drilled to 5692' Driller & 5694' Logger.

Subsequent to log review the operator elected to run 5 $\frac{1}{2}$ " production casing to total depth.

The rotary was released 12/18/93.

Respectfully submitted,


DENNIS C. REHRIG

**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

WELL DATA

<u>OPERATOR:</u>	Balcron Oil Company
<u>LEASE & WELL NO.:</u>	Monument Butte-Federal 41-14J
<u>LOCATION:</u>	363' FNL, 600' FEL, Sec. 14, T9S-R16E
<u>PROSPECT/FIELD:</u>	Monument Butte Field
<u>COUNTY:</u>	Duchesne
<u>STATE:</u>	Utah
<u>BASIN:</u>	Uintah
<u>WELL TYPE:</u>	Development
<u>BASIS FOR PROSPECT:</u>	Subsurface well control
<u>ELEVATIONS:</u>	G.L. 5529' (Graded), K.B. 5539'
<u>SPUD DATE:</u>	6:00 a.m. (MST) 12/11/93 (Rotary)
<u>OUT FROM UNDER SURFACE CASING:</u>	6:00 a.m. (MST) 12/11/93 (Rotary, surface casing previously set).
<u>DRILLING COMPLETED:</u>	7:15 p.m. (MST) 12/16/93
<u>LOGGING COMPLETED:</u>	8:45 a.m. (MST) 12/17/93
<u>RIG RELEASE:</u>	3:45 a.m. (MST) 12/18/93
<u>TOTAL DAYS SPUD THROUGH LOGGING:</u>	7 days
<u>TOTAL DEPTH:</u>	5,692' (Driller) 5,694' (Logger)

LOST CIRCULATION ZONE
OR DRILLING PROBLEMS:

Had heavy oil (Gilsonite?) from oil shale at approximately 2775', seeped into hole. Plugged up bit. Had some tight hole and torque afterward. Had to ream hole after tripping out 2nd bit.

WELLSITE GEOLOGIST:

Dennis C. Rehrig

SAMPLING PROGRAM:

50' Samples from 1,400'-3,800'.
20-30' Samples from 3,800'-Total Depth,
caught 20' samples except when penetration was
extremely fast, then caught 30' samples.

SAMPLE QUALITY:

Generally fair, but fluid intermittently loading hole did
cause sample quality problems at times and sample
lags were often off by over 50'.

SAMPLE DISPOSITION:

Utah Geological Survey - Salt Lake City, Utah

MUD LOGGING EQUIPMENT:

K-Tech - two-man unit operated by
John Kuykendall and Fred Kuykendall.

CORE PROGRAM:

None.

DRILL STEM TEST:

None.

SURFACE CASING:

8-5/8" - Surface to 279' K.B.
Surface hole drilled and casing set by small air-impact
rig. Details of casing and cement not available for this
report.

PRODUCTION CASING:

Ran 5 1/2" casing to 5649.81' K.B.
Cemented w/225 sxs Hilift and 261 sxs Class 'G' with
various additives in all cement. Plug down at 11:45
p.m. 12/17/93.

**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

DAILY DRILLING HISTORY

Daily drilling reports taken primarily from Rig Tower Sheets and supplemented by Drilling Supervisor.
Day commenced at 6:00 AM (MST) day of prior day of report and ends at 6:00 AM (MST) day of report.

Days Since Spud	Date	Depth	Ftg in Last 24 Hrs	Activity (hrs)			Bit No.	W O B (M)	RPM	PP	Activity
				Drlg	Maint. and Repairs	Other					
1	12/11	279'	0	0	0.50	23.50	1	-	-	-	Rig up, test BOP, pipe rams, kelly, choke manifold, blind rams, floor valve, air valve, check valve @ 2000 lbs for 10 mins each. Test casing to 1500 lbs for 30 mins, check accumulator, check and fill bottles to 1000 lbs, finish PU collars, fix break on tong line, put airhead rubber on, chain cellar, drilling plug and cement.
2	12/12	1721'	1442'	21.50	0.75	1.75	1	45	55	200	Drilling 7 $\frac{7}{8}$ " hole, survey, drilling, service rig and operate rams, drilling, clear hole and change over to DP, drilling with air and foam, service rig and pumps, survey, swab out air heads, drilling, survey, service rig, drilling, survey.
3	12/13	2775'	1054'	15.00	1.50	7.50	1	45	60	220	Survey, drilling, fix air leak, service rig, operate rams, drilling, service rig and pumps, survey, drilling, service rig and air, survey, drilling, circ hole, TOH, clean bit, TIH.

Days Since Spud	Date	Depth	Ftg in Last 24 Hrs	Activity (hrs)			Bit No.	W O B (M)	RPM	PP	Activity
				Drlg	Maint. and Repairs	Other					
4	12/14	3614'	839'	20.75	0.75	2.50	2	40/45	55	230	Blow H ₂ O, trip to bottom 5 stands, blow H ₂ O, ream 2 joints to bottom, ream down kelly and try to drill, drilling, service rig and pumps, survey, drilling.
5	12/15	4605'	991'	21.75	1.00	1.25	2	45	60	260/240	Drilling, work on booster, service rig, open and close rams, survey, drilling, service rig and pumps, survey, unload hole and circ, drilling.
6	12/16	5080'	475'	10.50	0.50	13.00	3	45	60	260/300	Drilling, circ hole, TOH for bit, dress bit, TIH, blow H ₂ O, reaming (3050-3090'), TIH, blow H ₂ O, ream 150' to bottom, drilling with air and foam, change air head rubbers, clean and circ hole with air and foam, drilling.
7	12/17	5692'	612'	13.75	0.25	10.00	3	45	60	340	Drilling, run survey, service rig, close and open rams, drilling, clean and circ hole with air and foam, load hole with KCl water, circ and work kelly, mix sweep, circ hole, TOH - hole tight, put kelly on, circ and work kelly, TOH, RU loggers and log.
8	12/18	5692'	0	0	0	21.75	-	-	-	-	Log, RD loggers, TIH with DC's and some DP, RU laydown line and tubs, LD DP, TIH, LD DP and DC's, clean off floor, change casing heads, RU to test casing, test stack, RU to run casing and run 5½" production casing, RU cementers and cement, WOC, release rig @ 3:45 a.m. 12/18/93.

**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

SURVEYS VERTICAL HOLE

<u>Drilling Depth</u>	<u>Degrees</u>
280'	1/2°
719'	3/4°
1220'	1°
1721'	1 1/4°
2220'	1 1/2°
2744'	1 3/4°
3200'	2°
3700'	2 1/2°
4200'	3 1/4°
4698'	3 1/2°
5200'	3°

**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

BIT RECORD

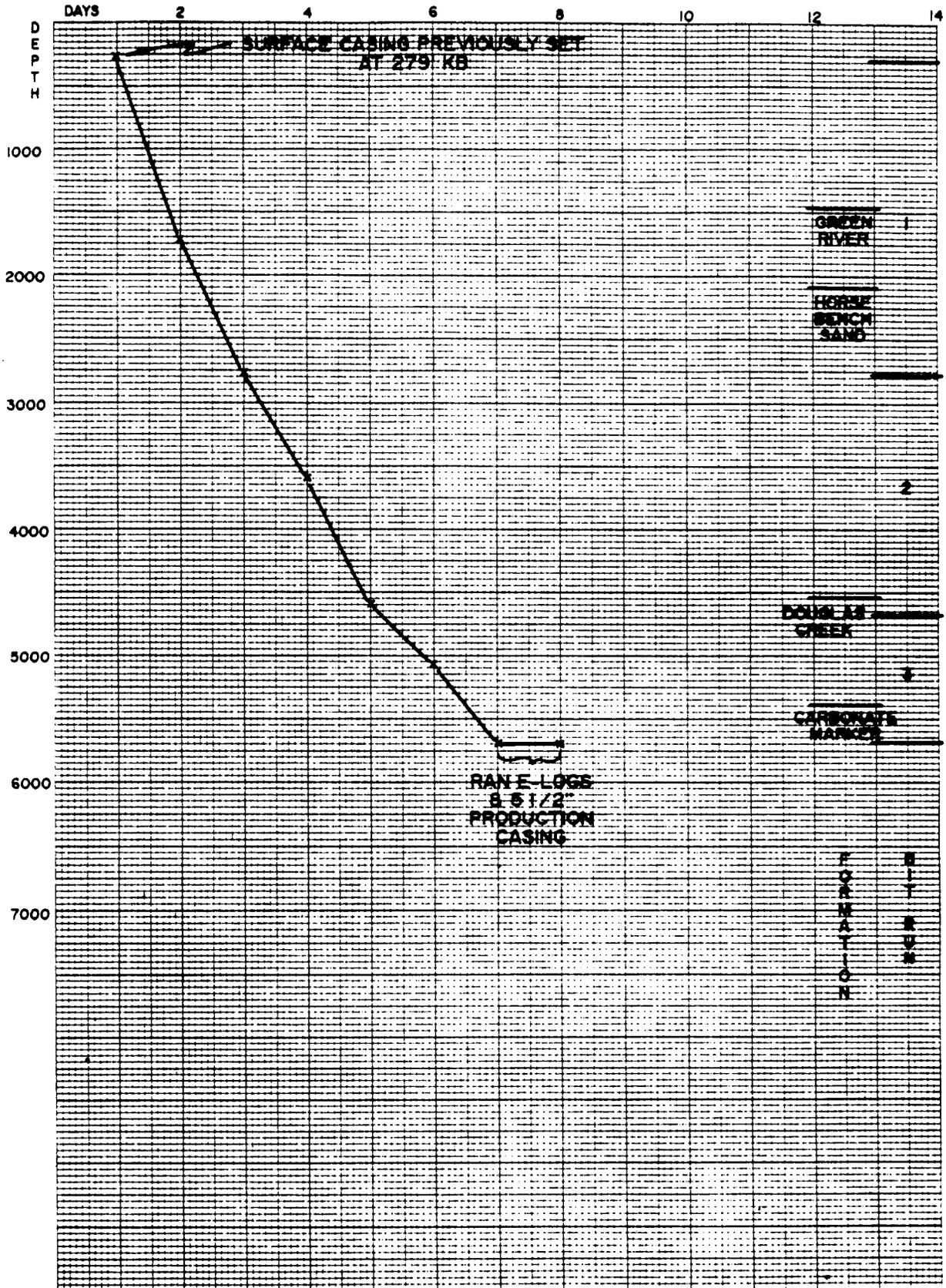
Contractor: Union Drilling Co. Operator: Balcron Oil Co. Lease: Federal State: Utah County: Duchesne Sec/T-ship/Range: NENE Sec. 14, T9S-R16E	Rig No. 17 Field: Monument Butte Well No. 41-14J	Rig Make: Cabot-Franks Derrick: Cabot-Franks, 97' mast Pump #1: Gardner-Denver FXN Liner 5½" x 14"	Collars: ODxDxLength BHA 6" x 2¼" x 557' Drill Pipe-Size Wt 4½" 16.6 E Tool Joint: 6¼"	SPUD 12/11/93 (7⅞" hole) Under Surface 12/11/93 (rotary) Total Depth 12/16/93 Total Days Drilling 6	Toolpusher/Drillers Dave Gray Chris Chapman Scott Gawlinski Jeff White Bill Satterfield Operators Representative Al Plunkett Mud Type: Air/Foam
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Bit No	Bit Size	Bit Mfr	Bit Type	Jet Size 32nds	Ser. No.	Depth Out	Feet	Hrs	Ft/ Hr	Cum Hrs	Wt 1000#	Rotary RPM	Vert Dev	Pump Press	PUMPS			M U D		DULL COND			Remarks Date, Formation, etc.
															No	Liner ID	SPM	Wt	Vis	T	B	G	
1	7⅞	HTC	ATJ-55A	Open	G69WA	2775'	2489'	28	88.9	28	45	60	1¾°	220	Drilled with water and foam.						Heavy oil plugged bit.		
2	7⅞	STC	F45H	3-24	KW1571	4680'	1905'	28¾	66.3	56.75	45	60	3¼°	260/240	Drilled with water and foam.						TOH for new bit.		
3	7⅞	HTC	ATJ-55A	Open	G54WP	5692'	1012'	24	42.2	80.75	45	60	3°	340	Drilled with water and foam.						Reached T.D.		

DENNIS C. REHRIG & ASSOCIATES, INC.

BALCRON OIL 41-14J MONUMENT BUTTE-FEDERAL
 363' FNL 600' FEL, SECTION 14, T 9 S-R 16 E
 DUCHESNE COUNTY, UTAH

TIME /DEPTH PENETRATION CURVE



**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

FORMATION TOPS

ELEVATIONS: G.L. 5529' (Graded) K.B. 5539'

<u>Formation</u>	<u>E-Log Top</u>	<u>Subsea Datum</u>	<u>Structural Relationship To Reference Well *</u>
Green River	1456'	(+4083')	6' Hi
Horsebench Sand	2090'	(+3449')	10' Hi
2nd Garden Gulch	3750'	(+1789')	6' Hi
Yellow Marker	4383'	(+1156')	6' Hi
Douglas Creek	4544'	(+ 995')	Flat
2nd Douglas Creek Mkr	4775'	(+ 764')	7' Hi
Green Marker	4921'	(+ 618')	10' Hi
Carbonate Marker	5399'	(+ 140')	2' Hi

TOTAL DEPTH 5694' Logger

* Reference Well:

Diamond Shamrock Exploration Co.
34-11 Walton-Federal
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 11, T9S, R16E
Duchesne County, Utah

NOTE: Correlations and nomenclature that used by operator.

Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah

REFERENCE WELL E-LOG FORMATION BOREHOLE AND SUBSEA DATUMS

Diamond Shamrock Exploration Co.
34-11 Walton-Federal
SE¹/₄SE¹/₄ Sec. 11, T9S-R16E
Duchesne County, Utah

K.B. 5545'

Formation

Green River	1468'	(+4077')
Horsebench Sand	2106'	(+3439')
2nd Garden Gulch	3762'	(+1783')
Yellow Marker	4395'	(+1150')
Douglas Creek	4550'	(+ 995')
2nd Douglas Creek Mkr	4788'	(+ 757')
Green Marker	4937'	(+ 608')
Carbonate Marker	5407'	(+ 138')

TOTAL DEPTH 5998' (Logger)

Note: Correlations and nomenclature that used by operator.

**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

SIGNIFICANT GAS KICKS AND/OR SHOWS AS REPORTED BY MUDLOGGER

<u>Formation</u>	<u>Sample Depth</u>	<u>Time (Before-During-After) Min/Ft</u>	<u>Total Gas (Before-During-After)</u>
Horsebench Sand	2605'-2614'	1.2 - 0.9 - 1.2	1 - 2 - 1
Douglas Creek	5054'-5065'	0.9 - 0.6 - 0.9	10 - 10 - 10

NOTE: No really significant gas increases were observed throughout this well, shows noted above were primarily visual.

**POTENTIAL SANDSTONE ZONES
Provided by Wellsite Geologist**

E-Log Depth (Spectral Density/Dual Spaced Neutron Log)

2620'-2649'	Gross Interval, minor cross-over Gross Interval, zones which likely produced heavy (Gilsonitic?) oil and plugged up bit.
2766'-2806'	
3040'-3048'	Gross Interval
3060'-3068'	
3506'-3516'	
4077'-4080'	
4641'-4645'	
*4722'-4737'	
4807'-4811'	
4897'-4902'	
*5043'-5052'	
5215'-5224'	
5456'-5463'	

NOTE: Sandstone not always seen in samples due to sample quality or thinness of sandstone in some cases, also particularly in lower 1500' of hole Sandstone with oil shows present in samples but typically not confirmed by E-logs and vice versa. Hole loading with cuttings and fluid during connections are primary cause for poor samples at times.

**Balcron Oil Co. 41-14J Monument Butte-Federal
363' FNL, 600' FEL, Sec. 14, T9S-R16E
Duchesne County, Utah**

SAMPLE DESCRIPTIONS

By: Dennis C. Rehrig

Samples caught and lagged from trap off blue line by Mud Loggers. Samples were examined wet, under reflected light and 3X magnification from 1400' to total depth, for porosity identification samples were dried. Sample descriptions only tie moderately well or not at all to drill time log and E-logs. This was due to air/foam drilling, which permitted rapid penetration but allowed for some cutting and fluid loading particularly during connections. Samples appeared generally fair-good but correlations to penetration rates are not good and samples do not tie well at all to E-logs, particularly in the lower 1500' of the well. All sample descriptions are interpretive and not tied to E-logs.

1400-50 Shale - light gray-cream, commonly mottled-speckled with medium-dark gray carbonaceous material, abundant microcrystalline disseminated Pyrite, soft-moderately soft, slightly calcareous.

Dolomite-Limy Dolomite - light tan-light brown, frequently buff-cryptocrystalline, moderately soft-moderately firm, frequently pyritic, slightly argillaceous in part.

Siltstone - clear-milky-white in part, slightly argillaceous in part, commonly specks to mottling of medium-dark gray carbonaceous material, Pyrite common, generally well consolidated, moderately firm, slightly-moderately calcareous.

1450-1500 Shale - cream-light gray, silty in part, slightly calcareous, moderately soft, commonly speckled-streaked with carbonaceous material and/or Pyrite.

Siltstone - as above.

Dolomite-Limy Dolomite - as above.

1500-50 Dolomite-Limy Dolomite - slightly orangish tan-grayish brown-light tan in part, moderately firm-moderately soft, frequently pyritic, dense, commonly dull yellow mineral fluorescence, slightly-moderately carbonaceous. NOTE: This rock is typically described as Marlstone or Oil

- Shale by some workers. Rock generally has fluorescence and often very weak bluish milky cut.
- 1550-1600 Dolomite-Limy Dolomite - light tan-slightly orangish tan in part, occasionally buff, generally moderately soft-frequently moderately firm, trace of siliceous material, dense, frequently pyritic, slightly-moderately carbonaceous.
- 1600-50 Dolomite-Limy Dolomite - light brownish tan-slightly orangish tan, cryptocrystalline-frequently microcrystalline, moderately soft-moderately firm, dense, abundant Pyrite, slightly argillaceous in part, slightly-moderately carbonaceous.
- 1650-1700 Limestone-Limy Dolomite - light grayish brown-gray tan, moderately soft-moderately firm in part, cryptocrystalline-microcrystalline in part, frequently pyritic, slightly argillaceous in part.
- Some Dolomite-Limy Dolomite - as above.
- 1700-50 Limestone-Limy Dolomite - as above.
- Dolomite-Limy Dolomite - as above, equal amounts of each.
- 1750-1800 Dolomite-Limy Dolomite - light tan-light grayish tan, moderately firm, cryptocrystalline-microcrystalline, abundant Pyrite, frequently specks-particles of carbonaceous material, dense, also much light orangish tan-slightly grayish brown, cryptocrystalline-microcrystalline, moderately soft-moderately firm, dense, slightly-moderately carbonaceous.
- Some Limestone-Dolomitic Limestone - as above.
- 1800-1900 Limy Dolomite-Dolomite - light tan-grayish tan-slightly orangish tan in part, cryptocrystalline, moderately soft-moderately firm, dense, commonly pyritic.
- 1900-2000 Limy Dolomite-Dolomite - tan-slightly orangish tan, cryptocrystalline-frequently microcrystalline, moderately firm-occasionally moderately soft, slightly argillaceous in part, commonly pyritic, dense.
- 2000-50 Limy Dolomite-Dolomite - generally tan, frequently slightly orangish tan, cryptocrystalline-occasionally microcrystalline, moderately firm-moderately soft, some Pyrite, slightly-moderately carbonaceous in part.

- 2050-2100 Limy Dolomite-Dolomite - slightly orangish tan-tan, occasionally medium brown, moderately firm-moderately soft, trace Chert, cryptocrystalline-occasionally microcrystalline, dense, some Pyrite.
- 2100-50 Limy Dolomite-Dolomite - buff-tan-slightly orangish tan as above, occasionally light gray, cryptocrystalline, moderately firm-moderately soft, slightly argillaceous in part, commonly pyritic.
- Shale - light-medium gray, occasionally tannish gray, moderately firm, slightly-moderately calcareous, slightly carbonaceous in part, silty in part, frequently pyritic.
- Siltstone - white-milky, generally well consolidated, moderately-highly calcareous, some black carbonaceous fragments, slightly-moderately argillaceous in part, occasionally very fine Quartz grains, dense, NSFOC, some Pyrite.
- 2150-2200 Limy Dolomite-Dolomite - buff-tan, occasionally medium-dark brown, cryptocrystalline, moderately firm occasionally moderately soft, dense, slightly-moderately carbonaceous in part.
- Siltstone - ranging to very fine-fine Sandstone - white-milky, generally well consolidated, occasionally loose fine-very fine Quartz grains, moderately-highly calcareous, siliceous in part, slightly argillaceous in part, no porosity, NSFOC, poorly-moderately sorted, sub-angular to sub-round, some specks carbonaceous material, frequently pyritic.
- Some Shale - as above.
- 2200-2300 Limy Dolomite-Dolomite - slightly orangish tan-light tan, occasionally buff-cream, cryptocrystalline-frequently microcrystalline, moderately soft-moderately firm, slightly-moderately carbonaceous, dense, siliceous-trace Chert.
- 2300-2400 Limy Dolomite-Dolomite - medium tan-medium brown, occasionally buff, cryptocrystalline-microcrystalline, moderately firm occasionally moderately soft, slightly argillaceous in part, slightly-moderately carbonaceous, occasionally pyritic.
- 2400-50 Limy Dolomite-Dolomite - light tan-medium to occasionally dark brown, cryptocrystalline-occasionally microcrystalline, moderately firm- moderately soft, slightly-moderately carbonaceous, some algal laminae, occasionally highly carbonaceous-slightly petroliferous, dense, frequently pyritic, slightly argillaceous in part.

- 2450-2500 Limy Dolomite-Dolomite - medium-dark tan to medium brown occasionally slightly black, generally as above but not as much algal laminae.
- 2500-50 Limy Dolomite-Dolomite - light-medium tan, medium-dark brown, frequently slightly orangish tan-orangish brown, cryptocrystalline-microcrystalline, moderately firm-occasionally moderately soft, slightly-moderately carbonaceous, some Pyrite, slightly argillaceous in part, trace Chert, dense.
- 2550-2600 Limy Dolomite-Dolomite - as above, slightly more Chert-siliceous material.
- Some Limestone - white-cream-buff, cryptocrystalline-occasionally microcrystalline, siliceous in part, silty in part, firm-moderately firm, hard in part, dense.
- 2600-50 Sandstone - very fine-fine grained, clear-milky-white, moderately unconsolidated, slightly friable in part, slightly-moderately calcareous in part, some specks of carbonaceous material, frequently pyritic, moderately well sorted, sub-angular to sub-round, some pinpoint light brown oil stain, weak dull yellow fluorescence and weak-very weak halo - very slow dull yellow streaming cut, some fair-good intergranular porosity.
- Shale - generally light gray, slightly-moderately calcareous, moderately soft, silty in part, some Pyrite.
- Some Limy Dolomite-Dolomite.
- 2650-2700 Siltstone - light gray-tannish gray occasionally tan, moderately firm, moderately-highly calcareous, frequently specked with carbonaceous material, trace black-dark brown Gilsonite, slightly-moderately argillaceous, commonly pyritic, well consolidated, no stain or fluorescence, trace very weak dull yellow milky cut.
- Shale - as Siltstone above, just finer particles.
- 2700-50 Shale - light-medium gray to light-medium tan, frequently brownish gray, slightly-moderately carbonaceous, slightly-highly carbonaceous, frequently specks-mottling of black-dark brown carbonaceous material, slightly petroliferous in part, some algal laminae. "Oil Shale in part", moderately soft-frequently moderately firm, silty in part, some dark brown oil stain, dull yellow fluorescence and weak dull yellow streaming-milky cut. Ranges to Siltstone at times.

- Limy Dolomite-Dolomite - tan-buff-slightly orangish tan, as above.
- 2750-2800 Shale - medium-dark brown, frequently black, moderately soft-moderately firm, brittle in part, slightly-moderately calcareous, moderately-highly carbonaceous, petroliferous-Gilsonitic in part, common algal laminae, sub-fissile in part, some dull gold fluorescence and very weak-weak dull yellow halo-slow streaming cut, good oil shale, some Pyrite.
- Limy Dolomite-Dolomite - as above.
- 2800-50 Shale - as above, some light-moderately gray, moderately soft, slightly-moderately calcareous, frequently pyritic.
- Limy Dolomite-Dolomite - as above.
- Siltstone - milky-white, occasionally ranging to very fine-fine Sandstone, moderately well-well consolidated, moderately calcareous, frequently pyritic, slightly argillaceous in part, generally poorly sorted, NSFOC.
- 2850-2900 Siltstone - ranging to very fine grained Sandstone, light gray-brownish gray, milky to white, generally moderately hard, well consolidated, slightly-moderately calcareous, slightly argillaceous in part, glauconitic in part, frequently peppered with carbonaceous and/or lithic particles, abundant Pyrite, poorly-moderately sorted, sub-angular to sub-round, dense, NSFOC, frequently Mica.
- Shale - drab olive, light brown-light gray, moderately firm, slightly-moderately calcareous, slightly carbonaceous in part, frequently pyritic, commonly silty.
- 2900-50 Limestone-Dolomitic Limestone - cream-buff-light tan, cryptocrystalline-microcrystalline, firm, generally dense, trace pinpoint vugs with faint light brown oil stain, bright yellow fluorescence and very weak slow yellow streaming cut.
- Shale - tan-orangish tan, occasionally medium-dark brown, slightly calcareous, moderately soft, generally moderately-highly calcareous, slightly petroliferous in part, commonly algal laminae, good-fair oil shale.
- 2950-3000 Limestone-Dolomitic Limestone - as above.
Shale - as above, frequently black Gilsonite particles.
- 3000-50 Shale - light gray-cream, moderately firm, moderately calcareous, abundant Pyrite, frequently silty.

Siltstone - milky-slightly white, occasionally ranging to very fine grained Sandstone, slightly-moderately calcareous, slightly argillaceous in part, well consolidated, commonly pyritic, generally NSFOC, trace pinpoint light brown oil stain, faint dull gold fluorescence, very weak bluish yellow streaming cut.

Some Limestone - cream-buff, microcrystalline-cryptocrystalline, moderately soft, slightly argillaceous in part.

3050-3100

Shale - light gray, occasionally cream, moderately firm-moderately soft, slightly-moderately calcareous, slightly-moderately carbonaceous, striated-streaked in part, commonly pyritic.

Sandstone - very fine-fine grained, frequently ranging to Siltstone - milky-frequently white, slightly calcareous, slightly argillaceous in part, generally well-moderately well consolidated, moderately well sorted, sub-angular to sub-round, frequently specks of carbonaceous and/or lithic particles, frequently pyritic, some fair-good intergranular porosity, some pinpoint medium brown oil stain, very weak dull gold fluorescence, very weak-weak dull yellow slow streaming-milky cut.

3100-50

Limy Dolomite-Dolomite - tan-light brown, cryptocrystalline, moderately firm-moderately soft, dense, commonly pyritic.

Limestone - cream occasionally slightly buff, cryptocrystalline, moderately soft, dense.

3150-3200

Limy Dolomite-Dolomite - as above.

Limestone - generally as above, microcrystalline in part, some Pyrite.

Shale - light-medium gray as 3050-3100' above.

3200-50

Limestone-Dolomitic Limestone - cream-buff-grayish tan, occasionally clear-milky, generally cryptocrystalline frequently microcrystalline, moderately soft-moderately firm, slightly argillaceous in part, frequently pyritic, dense, some pellets.

Some Shale - light-medium gray, moderately firm-moderately soft, slightly-moderately calcareous, slightly carbonaceous in part, commonly pyritic.

3250-3300

Limestone-Dolomitic Limestone - generally as above, commonly pisolitic and ostracodal.

Shale - as above.

Some Siltstone - milky-slightly white in part, well consolidated, slightly-moderately calcareous, moderately firm, some specks of carbonaceous material, frequently pyritic, NSFOC.

3300-50

Limestone-Dolomitic Limestone - light tan-buff, frequently white mottling, microcrystalline, moderately soft, moderately argillaceous in part, dense, commonly pelletoidal, some Pyrite.

Limy Dolomite-Dolomite - grayish tan-grayish brown, occasionally medium-dark brown, cryptocrystalline, moderately firm, occasionally pyritic, dense.

3350-3400

Shale - light-medium gray, commonly slightly emerald tinge, moderately firm, slightly calcareous, some specks of carbonaceous material, frequently pyritic, silty in part, well consolidated, NSFOC.

Siltstone - milky-slightly white, occasionally slightly gray as 3250'-3300' above, trace Glauconite.

3400-50

Shale - light-medium gray, commonly emerald tinge-brownish gray, moderately firm-moderately soft, generally slightly calcareous, some carbonaceous particles.

Limestone-Dolomitic Limestone - buff-tan-light cream, cryptocrystalline, moderately soft, dense.

Some Siltstone - grading to very fine grained Sandstone - clear-milky-slightly white, moderately well consolidated, slightly-moderately calcareous, some Pyrite, moderately well sorted, sub-angular to sub-angular, no apparent porosity, NSFOC.

3450-3500

Shale - as above, frequently pyritic.

Siltstone - ranging to very fine grained Sandstone - as above.

Some Limestone-Dolomitic Limestone - as above.

3500-50

Sandstone - very fine grained ranging to Siltstone - milky-slightly white, moderately well consolidated, slightly friable in part, slightly-moderately calcareous, slightly argillaceous in part, moderately well sorted, sub-angular to sub-round, frequently carbonaceous-lithic particles, some Glauconite, frequently pyritic, some fair intergranular porosity, frequently pinpoint medium brown oil stain, no fluorescence, very weak dull yellow slow streaming cut.

- Shale – light–medium gray, frequently slightly emerald tinge, moderately firm, slightly calcareous, frequently pyritic.
- 3550–3600 Limy Dolomite–Dolomite – tan–grayish tan, medium–dark brown, frequently orangish tan, slightly cryptocrystalline, moderately firm–firm, dense.
- Limestone–Dolomitic Limestone – buff–light tan, slightly mottled in part, cryptocrystalline, moderately soft, some specks of carbonaceous material, trace Pyrite, dense.
- Some Shale – medium gray, frequently silty, slightly carbonaceous, slightly–moderately calcareous, moderately firm–moderately soft, some Pyrite.
- 3600–50 Limestone–Dolomitic Limestone – buff–light tan, cryptocrystalline, moderately soft, slightly argillaceous in part, frequently pelletoidal and ostracodal.
- Shale – light–medium gray–tannish gray, trace slightly emerald tinge, as above.
- Siltstone – ranging to very fine grained Sandstone as 3400–3450' above.
- 3650–3700 Limestone–Dolomitic Limestone – buff–light tan, cryptocrystalline–frequently microcrystalline, moderately firm, dense, trace of ostracods.
- Shale – light–medium gray, tan–grayish tan, moderately firm–moderately soft, slightly–moderately calcareous, slightly carbonaceous in part, frequently pyritic.
- Some Siltstone – as above, NSFOC.
- 3700–50 Shale – generally light gray, commonly slightly emerald tinge, moderately soft, slightly calcareous, occasionally pyritic, sub–blocky in part.
- Siltstone – grading to very fine grained Sandstone – clear–milky–white in part, moderately well–well consolidated, slightly–moderately calcareous, slightly argillaceous in part, trace Glauconite, some specks of carbonaceous material, frequently pyritic, NSFOC.
- 3750–3800 Limestone – buff–light tan–grayish tan, cryptocrystalline, moderately firm–moderately soft, occasionally speck of carbonaceous material, trace Pyrite.

- Limy Dolomite–Dolomite – orangish tan, medium–dark brown, occasionally slightly black which is petroliferous in part, cryptocrystalline, moderately firm–soft, trace algal laminae, generally slightly–moderately carbonaceous.
- 3800–40 Siltstone – grading to very fine grained Sandstone – clear–milky–slightly white, slightly–moderately calcareous, moderately consolidated, slightly friable, moderately well sorted, sub–angular to sub–round, no apparent porosity, trace light brown pinpoint oil stain, very faint dull yellow fluorescence, very weak dull yellow slow streaming cut, frequently specks of carbonaceous material.
- Shale – slightly emerald tinge–light gray–tannish gray, slightly calcareous, moderately soft, slightly carbonaceous in part, trace Pyrite.
- 3840–60 Shale – slightly emerald tinge, tan, occasionally light gray, frequently silty, slightly–moderately calcareous, moderately firm–frequently carbonaceous material, some Pyrite.
- Siltstone – clear–milky–slightly tan, well consolidated, firm–moderately firm, slightly–moderately calcareous, slightly argillaceous in part, frequently pyritic, NSFOC.
- 3860–80 Shale – light gray–tannish gray, moderately soft, slightly calcareous, sub–blocky in part, frequently pyritic.
- 3880–3900 Limestone–Dolomitic Limestone – as 3650–3700' above, no ostracods.
- Shale – tannish gray–light to medium gray–slightly emerald tinge as 3800–3840' above.
- 3900–20 Limestone–Dolomitic Limestone – as above.
- Shale – tannish gray–light gray, silty in part, slightly calcareous, frequently specks of carbonaceous material, commonly pyritic.
- 3920–80 Shale – light gray occasionally cream, slightly–moderately calcareous, frequently silty, commonly speck of carbonaceous material, frequently pyritic.
- Siltstone – as above.
- 3980–4000 Shale – light–medium gray, tannish gray, slightly emerald tinge, as above.
- Some Limestone–Dolomitic Limestone – as above.

- 4000-20 Shale - light gray-tannish gray, frequently slightly emerald tinge, moderately soft, slightly-moderately calcareous, slightly carbonaceous in part, frequently pyritic, sub-blocky in part.
- Some Siltstone - milky-slightly white in part, generally well consolidated, slightly-moderately calcareous, frequently pyritic, NSFOC.
- 4020-40 Shale - light gray-abundant slightly emerald tinge, as above.
- 4040-70 Shale and Siltstone as 4000'-4020' above.
- 4070-4100 Siltstone - frequently ranging to very fine grained Sandstone - clear-milky-occasionally slightly white, slightly-moderately calcareous in part, moderately consolidated, slightly friable in part, moderately well sorted, sub-angular to sub-round, frequently Pyrite, some fair intergranular porosity, trace pinpoint light brown oil stain, no fluorescence, no cut. Some black dead oil stain.
- Shale - light-medium gray, moderately soft-soft, slightly-moderately calcareous, slightly carbonaceous.
- 4100-30 Sandstone - very fine grained commonly ranging to Siltstone - clear-milky, common very faint tan oil stain, very faint dull yellow fluorescence in part and very weak bluish yellow milky cut. Moderately consolidated, typically friable, moderately sorted, sub-angular to sub-round, slightly calcareous in part, some fair-good intergranular porosity, frequently pyritic.
- Some Shale - light gray, as above.
- 4130-60 Limestone-Argillaceous Limestone - tan-grayish tan, cryptocrystalline, moderately firm-moderately soft, dense, frequently pyritic.
- Dolomite-Limy Dolomite - orangish tan, medium-dark brown, cryptocrystalline, moderately firm, dense.
- 4160-90 Shale - light gray-slightly emerald tinge, slightly calcareous, moderately soft.
- Some Siltstone and Dolomite-Limy Dolomite - as above.
- 4190-4220 Shale - generally light gray, slightly-moderately calcareous, moderately soft, sub-blocky in part, silty in part, commonly pyritic.
- 4220-50 Shale - as above.

Limestone – buff–tan, occasionally medium–dark brown, cryptocrystalline–microcrystalline, moderately firm, frequently ostracods, some Pyrite, dense.

Some Argillaceous Limestone – grayish tan–medium brown, moderately firm–moderately soft, slightly pyritic in part, slightly–moderately carbonaceous, dense.

Some Siltstone – occasionally ranging to very fine–fine Sandstone – clear–milky–slightly white, slightly calcareous in part, moderately well consolidated–slightly unconsolidated in part, moderately well sorted, sub–angular to sub–round, some black dead oil stain, no fluorescence or cut, generally no apparent porosity.

4250–80

Sandstone – very fine grained frequently ranging to Siltstone – clear, milky to white in part, slightly–moderately calcareous, generally well–moderately well consolidated, much dark brown carbonaceous mottling–particles, moderately–poor sorting, sub–angular to sub–round, some poor intergranular porosity, frequently dark brown–black dead oil stain, no fluorescence or cut, commonly pyritic, frequently argillaceous.

Shale, Limestone and Argillaceous Limestone – as above, highly mixed sample, probably much cavings.

4280–4310

Shale – light–medium gray, slightly calcareous, moderately soft, frequently pyritic, some dark brown–black, moderately–highly carbonaceous, slightly calcareous, moderately soft.

Siltstone – milky–slightly white–light gray in part, generally firm–moderately firm, well consolidated, slightly–moderately calcareous, frequently argillaceous, generally specks of carbonaceous material, poorly sorted, NSFOC, frequently pyritic.

Highly mixed sample, probably much cavings.

4310–40

Shale – light–medium gray as above.

Siltstone – generally as above, siliceous in part, slightly less carbonaceous material and Pyrite.

4340–70

Siltstone – frequently ranging to very fine grained Sandstone – clear–milky–white in part, slightly calcareous, generally moderately unconsolidated, moderately well sorted, sub–angular to sub–round, some poor intergranular porosity, frequently specks of carbonaceous material, occasionally pyritic, NSFOC.

- Shale – light gray–tannish gray–occasionally cream, slightly carbonaceous, moderately soft, occasionally pyritic.
- 4370–4400 Shale – as above.
- Siltstone – as above.
- Some Limestone – light tan–buff, cryptocrystalline, moderately soft, dense, trace of ostracods.
- 4400–30 Shale – as above, plus commonly slightly emerald tinge.
- Siltstone – as above.
- Limestone – as above.
- 4430–60 Shale – light gray, frequently faint emerald tinge, moderately soft, slightly–moderately calcareous, frequently silty, frequently specks of carbonaceous material, commonly pyritic.
- Siltstone – milky–slightly white–slightly light gray, slightly–moderately calcareous, moderately well consolidated, slightly argillaceous in part, frequently specks of carbonaceous material and Pyrite, NSFOC.
- 4460–90 Shale – generally light gray, occasionally cream–medium gray, moderately soft, non–calcareous to slightly calcareous, slightly carbonaceous in part, silty in part.
- Some Siltstone – as above.
- 4490–4550 Shale – light–medium gray, commonly very faint emerald tinge, as above, some Pyrite.
- Siltstone – milky–slightly white, generally well consolidated, firm–moderately firm, slightly–moderately calcareous, argillaceous in part, siliceous in part, frequently speck of carbonaceous material, NSFOC.
- 4550–80 Limestone–Argillaceous Limestone – tan–grayish tan, cryptocrystalline, moderately firm–moderately soft, dense, slightly carbonaceous.
- Some Shale and Siltstone – as above.
- 4580–4600 Shale – generally medium gray, frequently tannish gray, moderately soft, slightly calcareous, slightly carbonaceous, frequently specks of carbonaceous material, frequently silty, some Pyrite.

Some Limestone-Argillaceous Limestone - as above.

Some Siltstone - as above.

4600-20 Limestone-Argillaceous Limestone - tan-grayish tan, cryptocrystalline, moderately firm, frequently Pyrite, slightly carbonaceous, dense.

Some Shale and Siltstone - as above.

4620-40 Shale - light-medium gray, moderately firm-moderately soft, silty in part, slightly calcareous, frequently specks of carbonaceous material, commonly pyritic.

Siltstone - milky-slightly white, slightly-moderately calcareous, generally well-moderately well consolidated, some specks of carbonaceous material, NSFOC.

4640-60 Shale - light-medium gray, frequently slightly emerald tinge, as above.

Limestone - buff-slightly cream, cryptocrystalline-microcrystalline, moderately firm, dense, frequently pellets and ostracods, dense.

Some Siltstone - as above.

4660-80 Shale - light-medium gray, slightly tannish gray in part, moderately soft, sub-blocky in part, slightly carbonaceous, commonly pyritic.

Siltstone - milky-slightly white, moderately well consolidated, slightly-moderately calcareous, frequently specks of carbonaceous material and commonly pyritic, NSFOC.

Commonly Sandstone - very fine grained ranging to Siltstone, light brown oil stain, bright yellow fluorescence and weak bright yellow halo-slow milky cut. Generally moderately well consolidated, moderately well sorted, slightly calcareous, sub-angular to sub-round, generally no apparent porosity, some poor intergranular porosity. Possibly cavings after bit trip.

4680-4740 Shale - generally light gray, frequently slightly emerald tinge, slightly-moderately calcareous, moderately soft, sub-blocky in part, some Pyrite.

Some Siltstone - as above, NSFOC.

4740-60 Shale - generally light-medium gray, occasionally slightly emerald, as above.

- Siltstone – grading to very fine grained Sandstone – clear–milky–slightly white, moderately well consolidated, siliceous in part, frequently pyritic, slightly argillaceous in part, moderately well sorted, sub–angular to sub–round, NSFOC.
- 4760–80 Sandstone – very fine grained commonly ranging to Siltstone – milky–slightly white to clear in part, moderately unconsolidated, slightly friable in part, slightly calcareous, frequently pyritic, moderately well sorted, sub–angular to sub–round, some poor intergranular porosity, NSFOC.
- 4780–4800 Shale – light–medium gray, frequently slightly emerald tinge as above, also Shale tan–grayish tan occasionally medium–dark brown, moderately soft, sub–blocky, slightly–moderately calcareous, slightly–occasionally highly carbonaceous, some Pyrite.
- Some Sandstone – very fine grained ranging to Siltstone as above.
- 4800–40 Shale – medium–dark brown, occasionally slightly black in part, moderately soft, slightly–moderately calcareous, moderately–highly carbonaceous, slightly petroliferous in part, frequently pyritic sub–blocky to sub–platy in part.
- 4840–60 Shale – generally light gray, frequently medium gray and occasionally slightly emerald as 4680–4740'.
- Sandstone – very fine grained ranging to Siltstone as 4760–4780' above.
- Dolomite–Limy Dolomite – orangish tan–mahogany, cryptocrystalline–microcrystalline, moderately soft, slightly–moderately carbonaceous, dense.
- 4860–80 Siltstone – frequently ranging to very fine grained Sandstone – clear–milky–slightly white. Trace pinpoint very light brown oil stain, no fluorescence or cut. Moderately well consolidated, slightly friable in part, slightly calcareous, some specks of carbonaceous material, frequently pyritic, moderately well sorted, sub–angular to sub–round, generally no porosity, some poor intergranular porosity, extremely fine grained.
- Shale – as above.
- 4860–4920 Sandstone – very fine grained commonly ranging to Siltstone commonly light brown oil stain, very faint dull yellow fluorescence in part, very weak–weak dull yellow milky cut. Not all clusters are stained, extremely fine grained, moderately consolidated, moderately well sorted, sub–angular to sub–round, slightly calcareous in part, generally no apparent porosity, some poor–fair intergranular porosity.

- Shale – generally light gray, occasionally medium gray–occasionally slightly emerald tinge, as above.
- 4920–40 Shale – grayish tan, medium–dark brown, occasionally slightly black as 4800–4840' above, also Shale as directly above.
- 4940–60 Shale – dark tannish gray, frequently dark brown–slightly black, commonly bronze cast from abundant very fine crystalline Pyrite, moderately soft–moderately firm, slightly–moderately calcareous, generally highly carbonaceous–petroliferous.
- Limestone – buff–light tan, cryptocrystalline, moderately soft–moderately firm, dense.
- 4960–80 Shale – light gray occasionally cream, moderately soft, slightly–moderately calcareous, frequently pyritic, some Shale as directly above.
- Some Limestone – as above.
- 4980–5000 Shale – light gray, occasionally cream–slightly emerald, as above.
- Siltstone – occasionally ranging to very fine grained Sandstone as 4860–4880' above, trace black dead oil.
- 5000–5020 Shale – light gray as directly above, also Shale – grayish tan–light to medium brown, moderately soft–moderately firm, slightly–moderately calcareous, frequently pyritic, silty in part.
- Siltstone – clear–milky–occasionally slightly white, generally well consolidated, slightly–moderately calcareous, some specks of carbonaceous material, frequently pyritic, NSFOC.
- 5020–40 Shales – as directly above.
- Siltstone – commonly ranging to very fine grained Sandstone as 4860–4880' above.
- 5040–60 Shale – light–medium gray, frequently grayish tan–slightly emerald tinge, silty in part, slightly–moderately calcareous, slightly carbonaceous in part, sub–blocky in part.
- 5060–80 Shale – as above.
- Siltstone – ranging to very fine grained Sandstone – generally clear–milky, occasionally slightly gray–slightly buff. Trace light brown oil stain – black

pinpoint dead oil, no fluorescence, very weak slow milky cut in part, generally well-moderately well consolidated, slightly calcareous, moderately well sorted, sub-angular to sub-round, no apparent porosity.

5080-5110

Sandstone - very fine-fine grained, generally clear-milky, unconsolidated-moderately well consolidated, moderately well-sorted, sub-round to sub-angular, good intergranular porosity, frequently pinpoint light brown oil stain, faint dull yellow fluorescence, very poor faint bluish yellow milky cut when wet, when dried fair dull yellow fluorescence and poor bluish yellow milky cut. This is by far the best reservoir since penetrating the 2nd Garden Gulch, but a fair show at best.

5110-40

Shale - light gray-cream, moderately soft, slightly-moderately calcareous, frequently specks of carbonaceous material, sub-blocky in part, trace Pyrite, silty in part.

Sandstone - as above, probably cavings.

5140-70

Shale - light-medium gray as above, also Shale - dark gray-slightly black-grayish brown, commonly bronze tinge from abundant Pyrite, moderately soft, slightly-moderately calcareous, generally moderately-highly carbonaceous, sub-blocky.

5170-5200

Shale - as above.

Some Sandstone - very fine grained ranging to Siltstone as 5080-5110' above, not all rock has a show. Trace even-spotty light-medium brown oil stain, fair dull yellow fluorescence and weak dull yellow halo-slow milky cut, with fair-good intergranular porosity, moderately well sorted, slightly friable, sub-angular.

5200-5230

Shale - as above.

Sandstone - very fine grained ranging to Siltstone as above with slightly more Sandstone with show as above.

5230-60

Shale - light gray frequently cream-slightly emerald tinge, moderately soft, slightly-moderately calcareous, frequently pyritic, silty in part.

Shale - black-silverish gray, soft-moderately soft, slightly carbonaceous, highly carbonaceous-petroliferous, abundant Pyrite.

5260-90

Both Shales - as above.

- Some Siltstone – ranging to very fine grained Sandstone – milky, light gray, light tan in part, generally hard–firm, slightly–moderately calcareous, frequently argillaceous, some specks of carbonaceous material, generally poorly sorted, no apparent porosity, trace Glauconite. Frequently medium brown oil stain, faint dull yellow fluorescence in part, weak bluish yellow halo cut.
- 5290–5320 Shale – light–medium gray, moderately soft, slightly–moderately calcareous, frequently specks to mottling of carbonaceous material, some Pyrite.
- Shale – black commonly with bronze cast from abundant Pyrite, slightly calcareous, firm and brittle–moderately firm, highly carbonaceous–petroliferous, silty in part, sub–fissile in part.
- Some Siltstone – ranging to very fine grained Sandstone, as above.
- 5320–80 Shale – black with bronze cast from abundant Pyrite, as above.
- 5380–5420 Shale – medium–dark gray–black–silverish gray, slightly calcareous to non–calcareous, moderately hard and brittle–moderately firm, commonly bronze tinge from abundant Pyrite, sub–blocky to sub–platy in part, moderately–highly carbonaceous–petroliferous in part.
- Shale – light–medium gray, moderately firm–moderately soft, moderately–highly calcareous, frequently pyritic, slightly carbonaceous in part, silty in part.
- 5420–60 Shale – predominantly medium–dark gray, frequently black, generally moderately calcareous, abundant Pyrite, generally moderately carbonaceous, black shale is highly carbonaceous–petroliferous.
- 5460–80 Shales – as 5380–5420 above.
- Trace Sandstone – very fine–fine grained, mostly loose Quartz grains, clear–milky, moderately well sorted, sub–angular to sub–round, probably some good intergranular porosity, NSFOC.
- 5480–5500 Sandstone – very fine–fine grained, generally clear–milky–slightly white in part, generally unconsolidated–moderately unconsolidated, slightly calcareous in part, moderately well sorted, sub–round to sub–angular, fair–good intergranular porosity. Frequently very faint light tan pinpoint oil stain, faint dull yellow fluorescence and very weak dull yellow milky cut.

Siltstone - clear-milky-slightly white, moderately firm, slightly-moderately calcareous, frequently some specks of carbonaceous material, some Pyrite, slightly argillaceous in part, some black dead oil stain.

Shale - light gray-cream, moderately soft-soft, slightly-moderately calcareous, frequently streaked with carbonaceous material, some Pyrite.

5500-20

Sandstone - commonly fine grained ranges to very fine. Generally unconsolidated clear-milky, generally sub-angular, probably good intergranular porosity. Occasionally very faint-light brown pinpoint oil stain, very fine dull yellow fluorescence in part, very weak-trace bluish yellow milky cut.

Shale - as directly above.

5520-60

Shale, Siltstone and Sandstone - in approximately equal amounts as directly above.

5560-5600

Shale - light gray-cream, moderately soft-soft, slightly-moderately calcareous, frequently speck carbonaceous material. Much Shale - black, dark brownish gray, non-calcareous to slightly calcareous, frequently pyritic, moderately soft.

Siltstone - occasionally ranging to very fine grained Sandstone - milky-slightly white, frequently clear, slightly-moderately calcareous, moderately firm, moderately well consolidated, frequently specks of carbonaceous material, some Pyrite, NSFOC.

5600-20

Siltstone - ranging to very fine grained Sandstone as above.

Shales - as above.

5620-5680

Siltstone - ranging to very fine grained Sandstone as 5560-5700.

Shale - light gray-cream, as above.

NOTE: Last 100' of sample almost identical, probably much cavings.

5680-92

Sandstone - very fine-fine grained, clear-milky, largely unconsolidated, moderately well sorted, sub-angular to sub-round, NSFOC.

Shale and Siltstone - as above.

NOTE: Hole loading up with fluid, stopped drilling a few feet short of permitted Total Depth. Reliability of last 100-125' of cutting highly suspect.

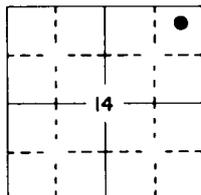
TOTAL DEPTH 5692' (Driller).

DENNIS REHRIG & ASSOCIATES, INC.

OIL & GAS CONSULTING

4924 RIMROCK ROAD
BILLINGS, MONTANA 59106
(406) 658-4785

GEOLOGIC WELL LOG



BALCRON OIL 41-14J MONUMENT BUTTE-FEDERAL
363' FNL 600' FEL, SECTION 14, T 9 S-R 16 E
DUCHESNE COUNTY, UTAH

ELEVATIONS: 5529' GL 5539' KB

SPUD: 6:00 AM (MST) 12/11/93 (Rotary)

OUT FROM UNDER SURF. CSG.: 6:00 AM (MST) 12/11/93
(Surface casing previously set)

DATE DRLG. COMP.: 7:15 PM (MST) 12/16/93

DATE WELL COMPLETED: 3:45 AM (MST) 12/18/93

STATUS: CASED FOR OIL COMPLETION ATTEMPT

SURF. CSG.: 279' OF 8 5/8"

PRODUCTION CSG: 5 1/2" TO 5650' KB

CORES: NONE

DRILL STEM TESTS: NONE

CONTRACTOR: UNION DRILLING CO.

RIG: 17

DERRICK: CABOT-FRANKS, 97' MAST (DOUBLE)

DRAWWORKS: CABOT-FRANKS, POWERED BY 1
D-343 DIESEL CAT

PUMP: GARDINER-DENVER FXN, 14" STROKE, 5 1/2" LINER

DRILL PIPE: 4 1/2" OD, 2 1/4" ID, XO-THREAD

COLLARS: BHA 557' - 18 JTS 6" DC

MUD SYSTEM: AIR/FOAM, LOADED HOLE W/ KCL /WATER
FOR E-LOGS

TOTAL BITS: 3 ROTARY, AIR/FOAM DRILLED

TOTAL DAYS TO LOG POINT: 6 TO COMPL: 8

T.D. DRILLER 5692' LOGGER 5694'

PENETRATION: 295' BELOW CARBONATE MARKER

ROCK TYPE

(Consistent with American Stratigraphic Company)

CONGLOMERATE	DOLOMITE
SANDSTONE	ANHYDRITE
SILTSTONE	SALT
SHALE	COAL
BENTONITE	IGNEOUS
CHERT	VOLCANIC
LIMESTONE	METAMORPHIC

ACCESSORIES

SANDY	CHERT
SILTY	ARGILLACEOUS
SAND GRAINS	CALCAREOUS
SILICEOUS	DOLOMITIC
GLAUCONITE	ANHYDRITIC
PYRITE	SALT CAST or INFILL
PLANT REMAINS	PHOSPHATE PELLETS
MINERAL CRYSTALS	NODULES

ORGANIC or NON ORGANIC ALLOCHEMS

FORAMNIFERA	CEPHALOPOD
CRINOID	GASTROPOD
PELECYPOD	ECHINOID
BIOCLASTIC or FRAGMENTAL	FOSSILS UNIDENTIFIABLE
CORAL	OOLITES
STROMATOPOROID	PISOLITE 2mm. or over
BRYOZOA	PSEUDO OOLITES or PELLETS
BRACHIOPOD	INTRACLASTS
OSTRACOD	

FRAMEWORK ALGAE

SKELETAL
OOTOID or ONCOLYTIC

NON-FRAMEWORK ALGAE

NON-DESCRIPT
LAMINATED

MISCELLANEOUS

NO SAMPLES	QUESTIONABLE INTERPRETATION
CANNOT INTERPRET. <small>carings, etc.</small>	STYLOLITES

POROSITY TYPES

- X INTERCRYSTALLINE, INTERGRANULAR, INTERFRAGMENTAL
- Ø INTEROOULITIC, INTERPELLETOID
- V VUGGY - voids greater than 1/16mm
- P PINPOINT - voids less than 1/16mm
- ~ MOLDIC
- O ORGANIC - bridged, Intrafossil
- F FRACTURE
- e EARTHY - low permeability, crystals less than 1/16mm
- ☐ FENESTRAL - voids from gas bubbles, shrinkage cracks & birdseye texture

OIL STAINS - stain present

- EVEN STAINING, FLOURESCES IN SOLVENT
- SPOTTED STAINING, FLOURESCES IN SOLVENT
- D DEAD, ASPHALTIC, BITUMEN, ETC.
- QUESTIONABLE, NO FLOURESCENCE IN SOLVENT

EVALUATION LEGEND



WHOLE CORE
DRILL-STEM TEST
PERFORATIONS

DRILLING AND PRODUCTION DATA

CASING SET	RPM	ROTATION (REV/MIN)
NB NEW BIT	PP	PUMP PRESSURE
RRB RERUN BIT	LC	LOST CIRCULATION
CB CORE BIT	NR	NO RETURNS
DS DEVIATION SURVEY	TG	TRIP GAS
W/B WEIGHT ON BIT	CG	CONNECTION GAS

MUD DATA

V	VISCOSITY
W	WEIGHT IN lbs/gal
WL	FILTRATE IN cc
FC	FILTER CAKE
CL	CHLORIDE CONTENT (ppm)
Rm	MUD RESISTIVITY (Ω)
Rmf	MUD FILTRATE RESISTIVITY (Ω)

ELECTRIC LOG
GAMMA RAY / CALIPER

INTERPRETED
LITHOLOGY
AND
DEPTH

DRILLING PENETRATION
RATE (MIN / FT)

CASING &
PERFORATIONS
CORE & DST
OIL
SHOWS
POROSITY
(%)

INTERPRETATIVE
LITHOLOGIC &
SAMPLE
DESCRIPTIONS
BASED ON
SAMPLES
CAUGHT &
LOGGED BY MUD
LOGGERS.
SEE REPORT
FOR DETAILED
DESCRIPTION
OF SAMPLES.
POROSITY &
SHOWS

E-LOG
TOPS

1460

0 2 3 4 5

SAMPLES EXAMINED FROM

GREEN RIVER

1400' TOTAL DEPTH. SEE
SAMPLE DESCRIPTIONS IN
REPORT FOR DETAILS.

1500

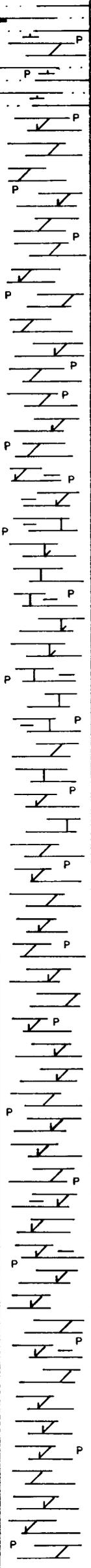
1600

1700

1800

1900

2000



NO. LC1 3355

REGISTERED IN U.S.A.

RECORDING CHART

GRAPHIC CONTROL CORPORATION

BUFFALO, NEW YORK

NO. LC1 3355

REGISTERED IN U.S.A.

HORSE BENCH SAND 2100

2200

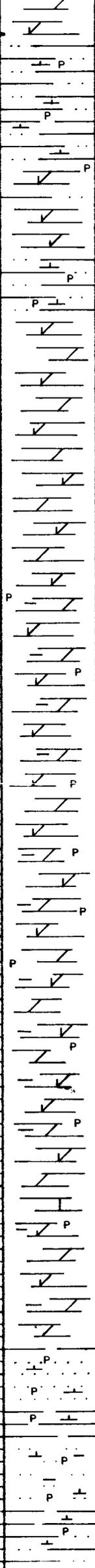
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2400

2500

2600

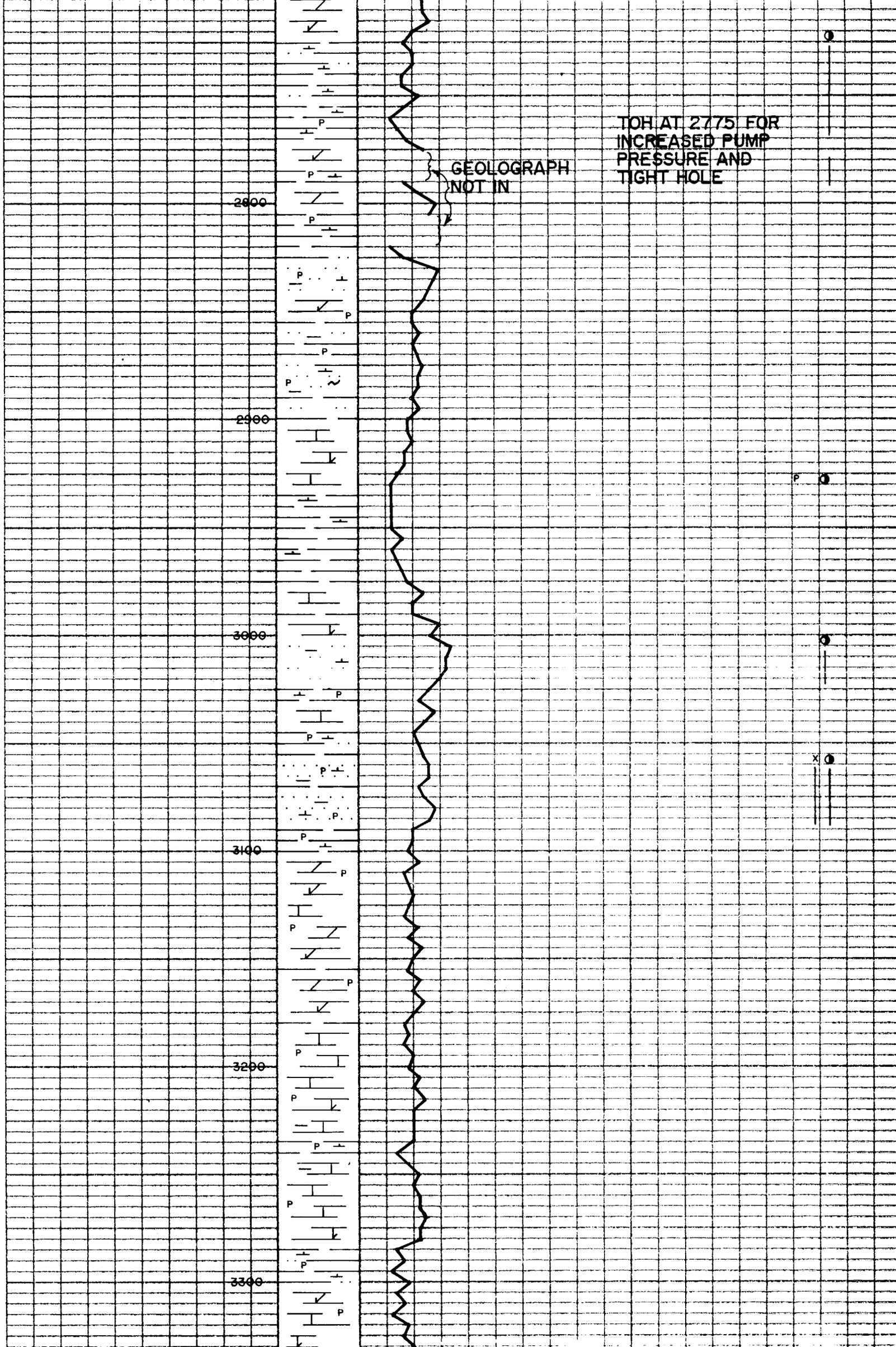
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G

G = SIGNIFICANT MUD
LOGGER SHOW





TOH AT 2775 FOR INCREASED PUMP PRESSURE AND TIGHT HOLE

GEOLOGRAPH NOT IN

2800

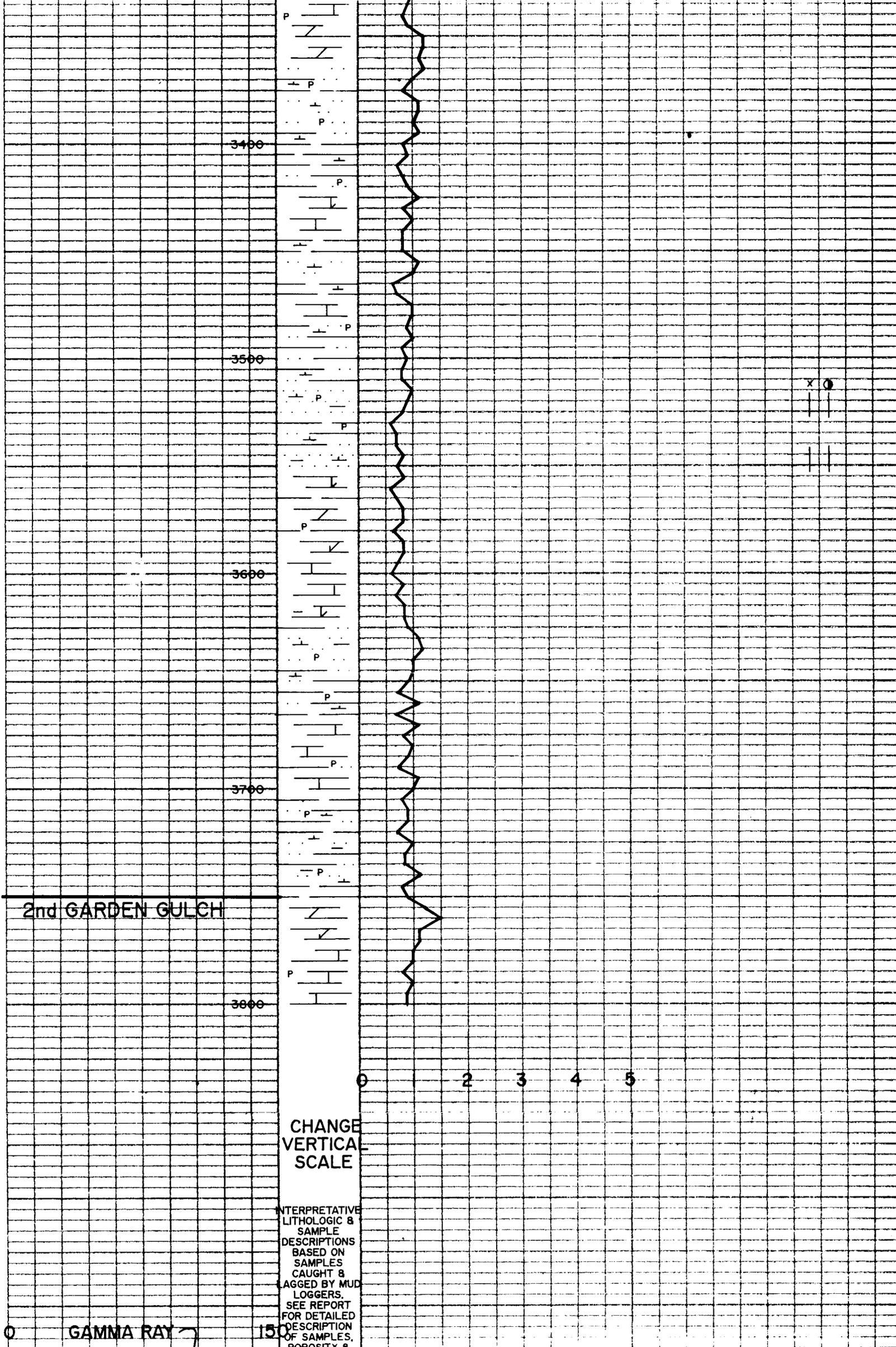
2900

3000

3100

3200

3300



3400

3500

3600

3700

3800

2nd GARDEN GULCH

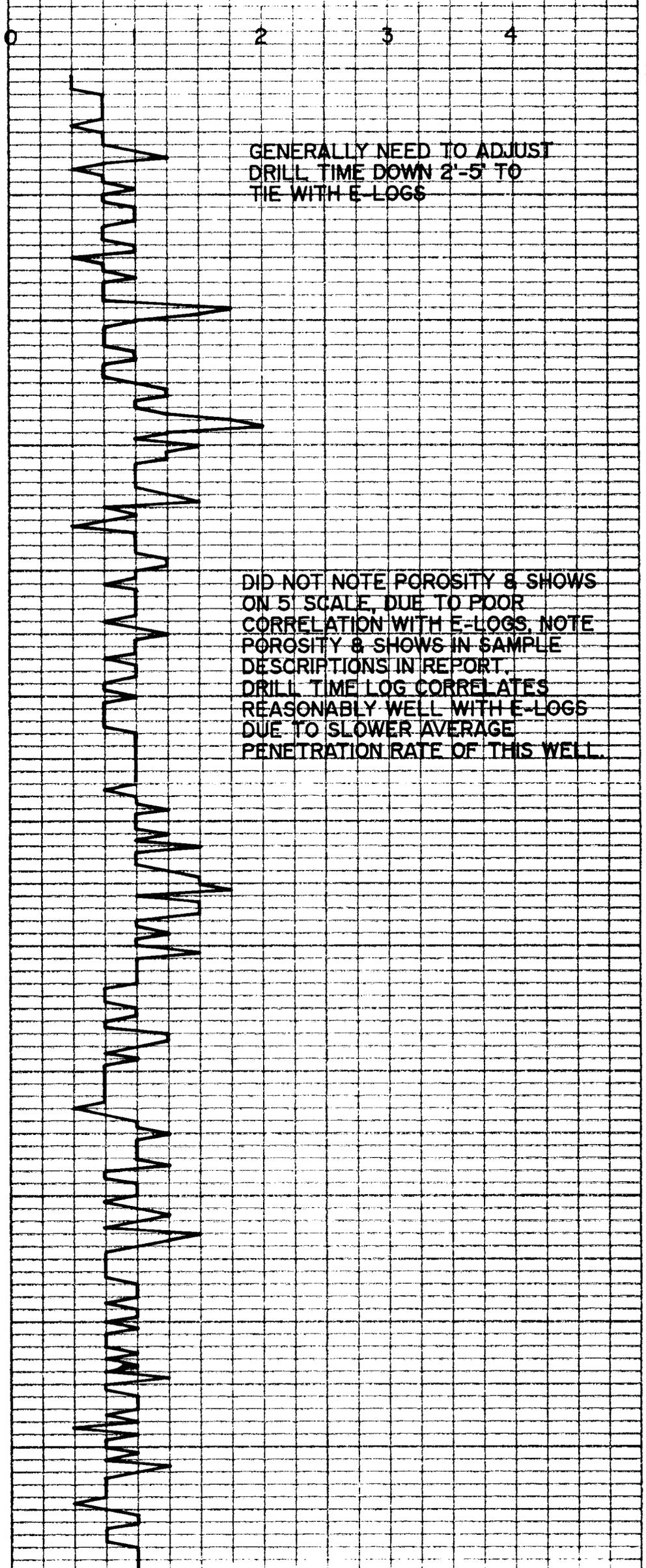
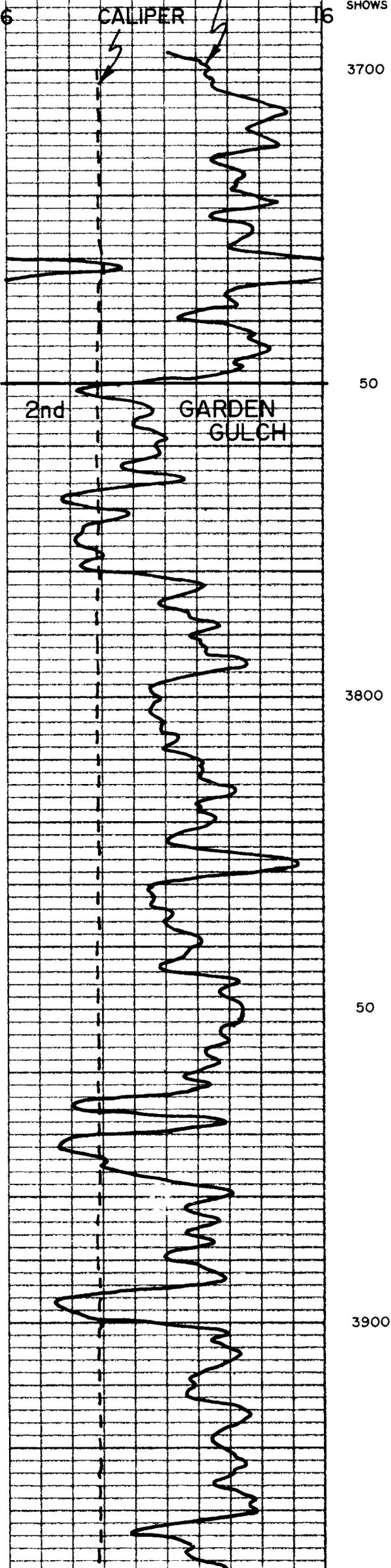
0 2 3 4 5

CHANGE VERTICAL SCALE

INTERPRETATIVE LITHOLOGIC & SAMPLE DESCRIPTIONS BASED ON SAMPLES CAUGHT & LOGGED BY MUD LOGGERS. SEE REPORT FOR DETAILED DESCRIPTION OF SAMPLES, POROSITY &

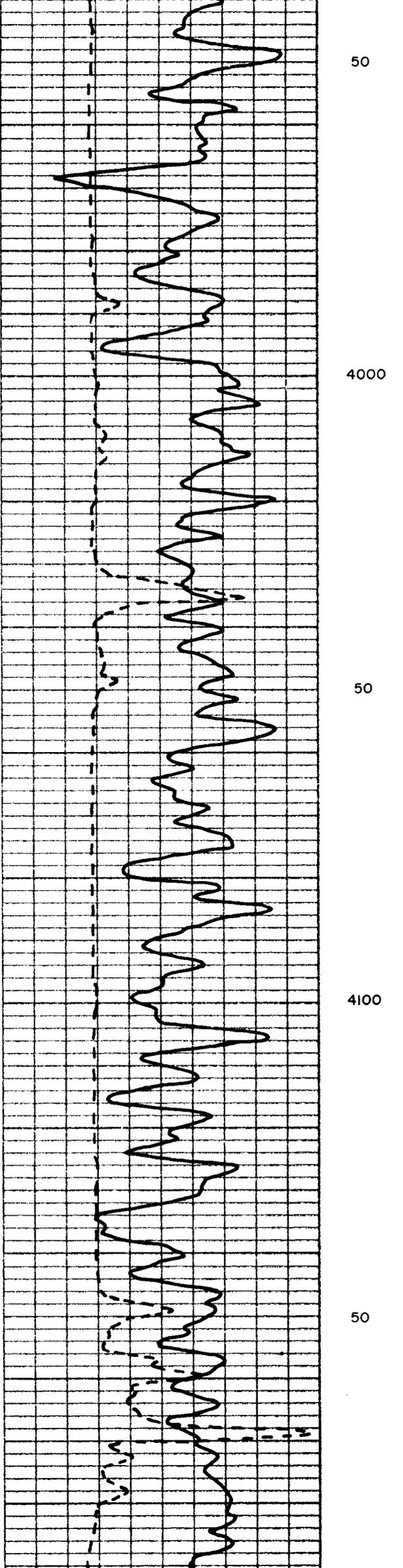
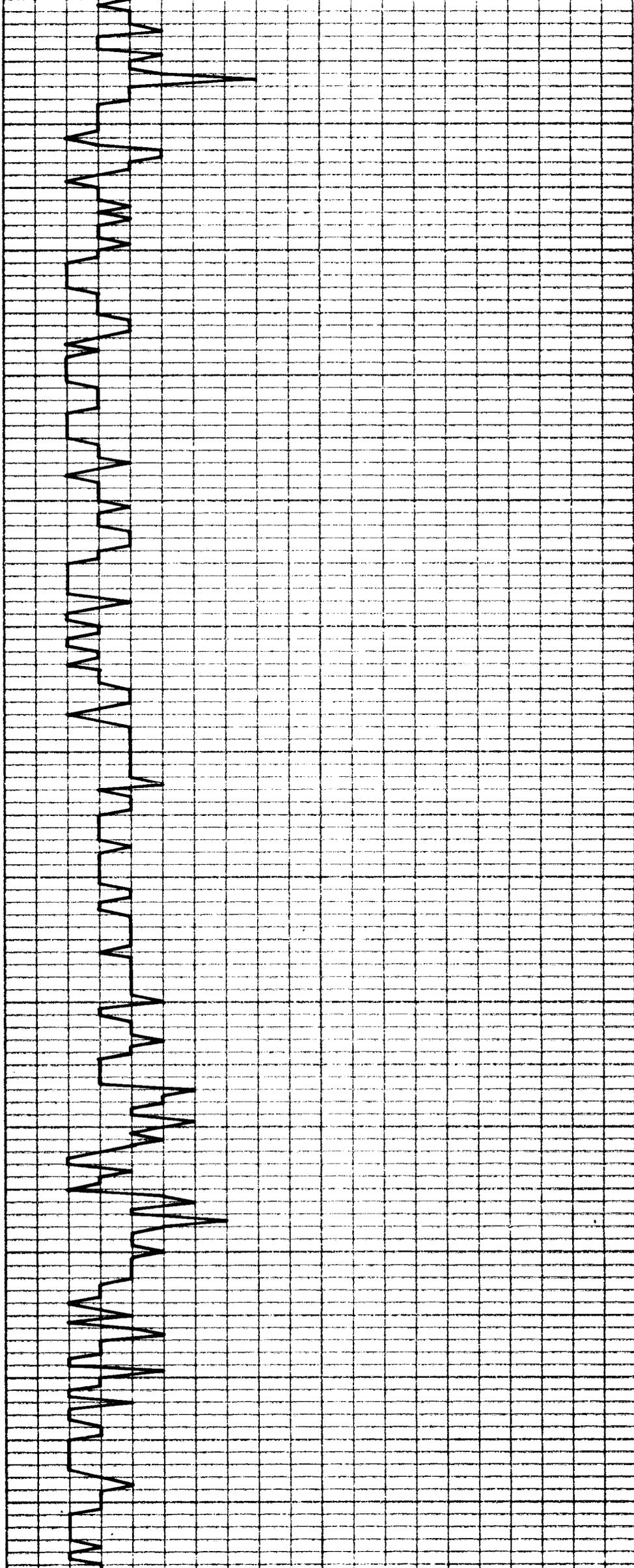
0 GAMMA RAY

150



GENERALLY NEED TO ADJUST
 DRILL TIME DOWN 2'-5' TO
 TIE WITH E-LOGS

DID NOT NOTE POROSITY & SHOWS
 ON 5' SCALE, DUE TO POOR
 CORRELATION WITH E-LOGS. NOTE
 POROSITY & SHOWS IN SAMPLE
 DESCRIPTIONS IN REPORT.
 DRILL TIME LOG CORRELATES
 REASONABLY WELL WITH E-LOGS
 DUE TO SLOWER AVERAGE
 PENETRATION RATE OF THIS WELL.



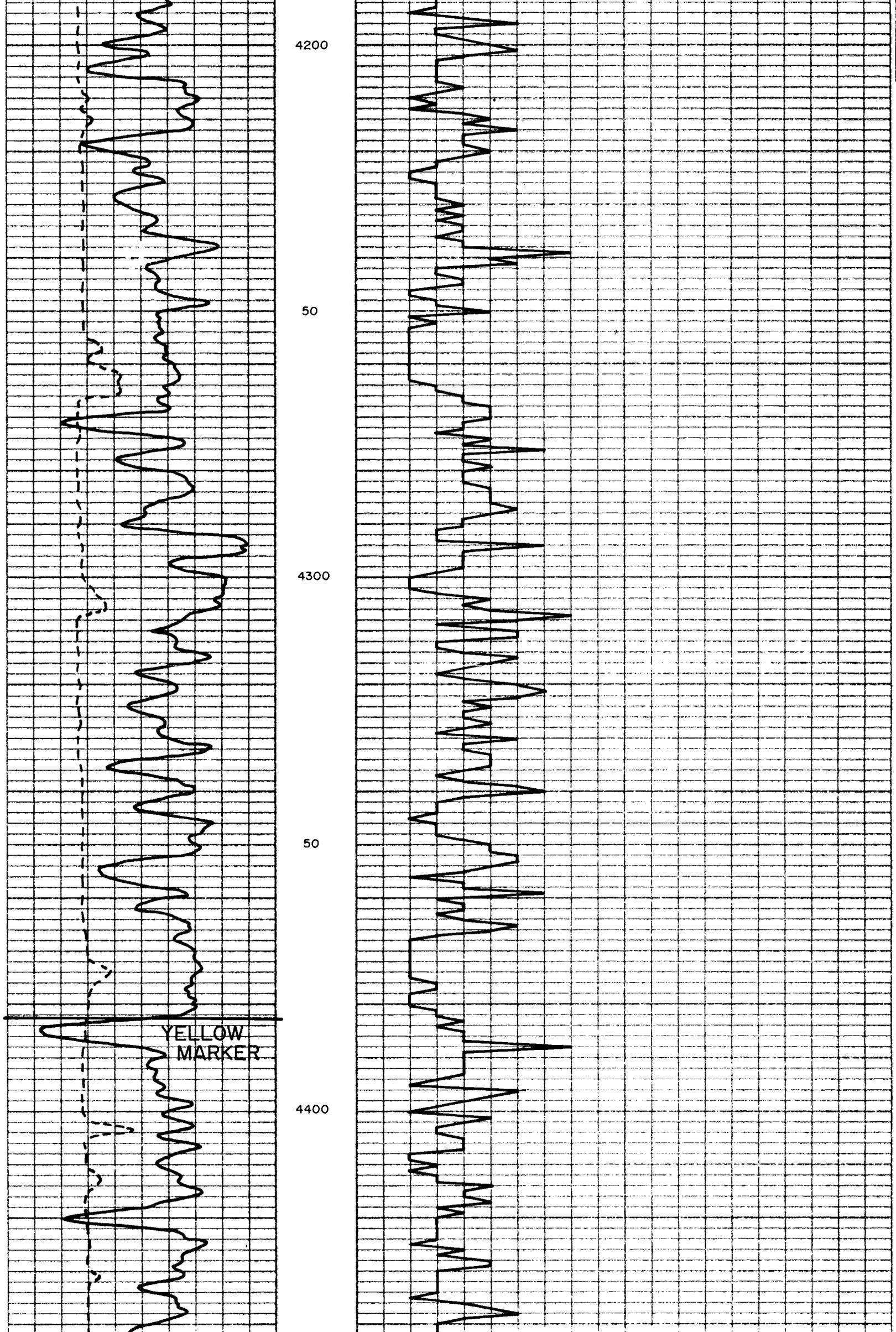
NO. TC1 3833

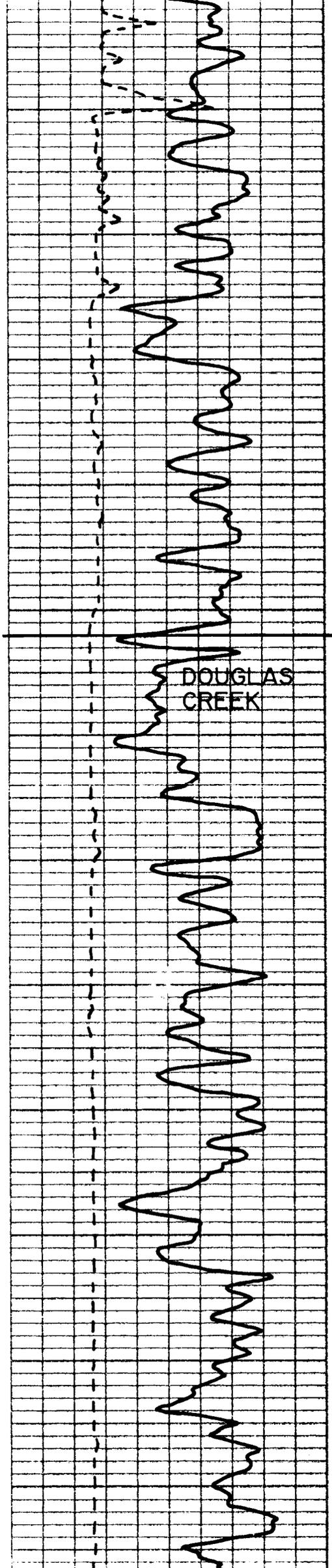
MADE IN U.S.A.

RECORDING CHARTS

GRAPHIC CONTROLS CORPORATION

BUFFALO, NY





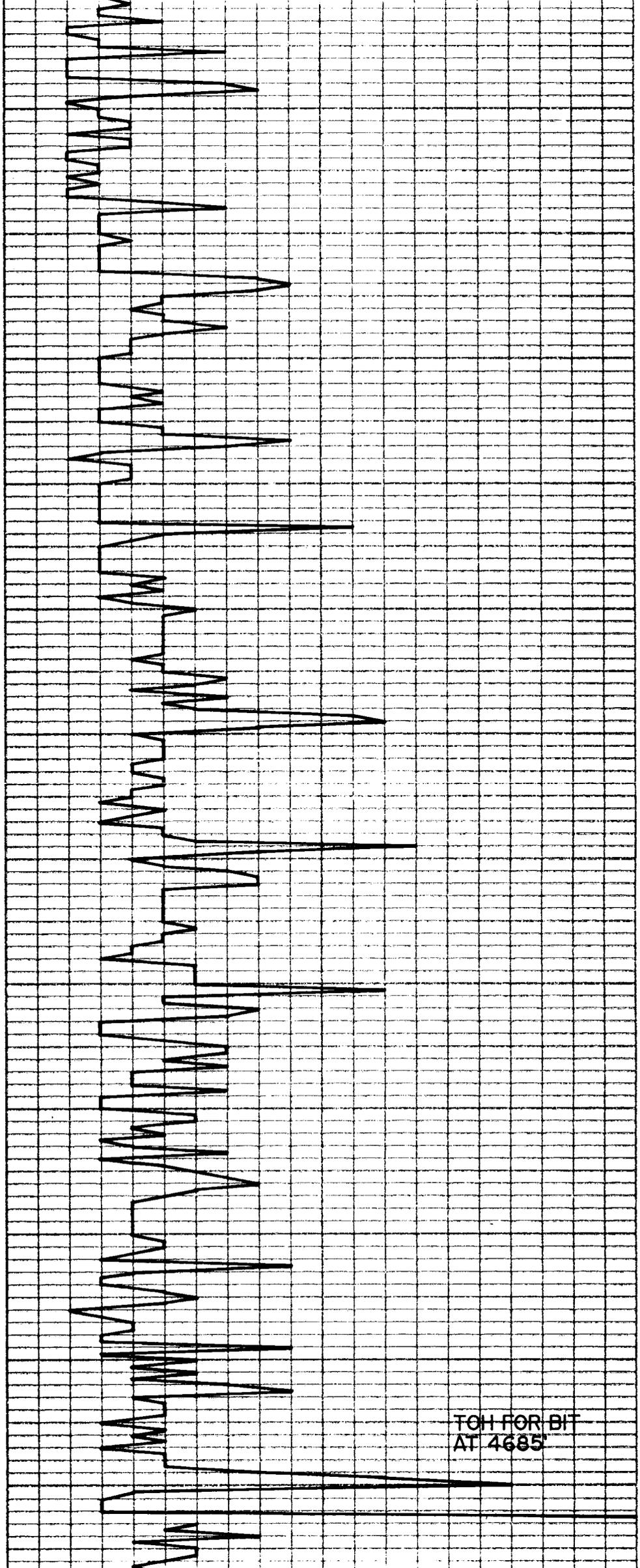
50

4500

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5000

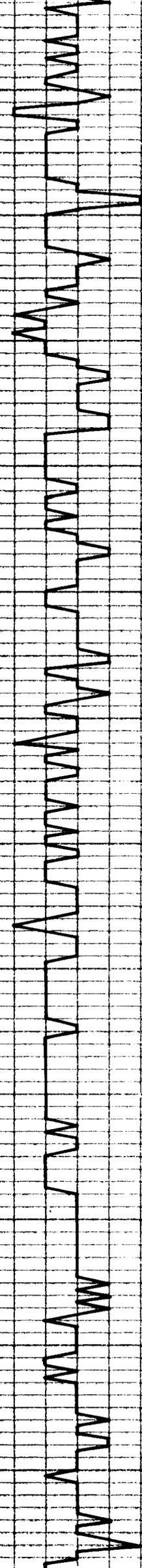
50

G

5100

50

G = SIGNIFICANT MUD LOGGER SHOW



5200

50

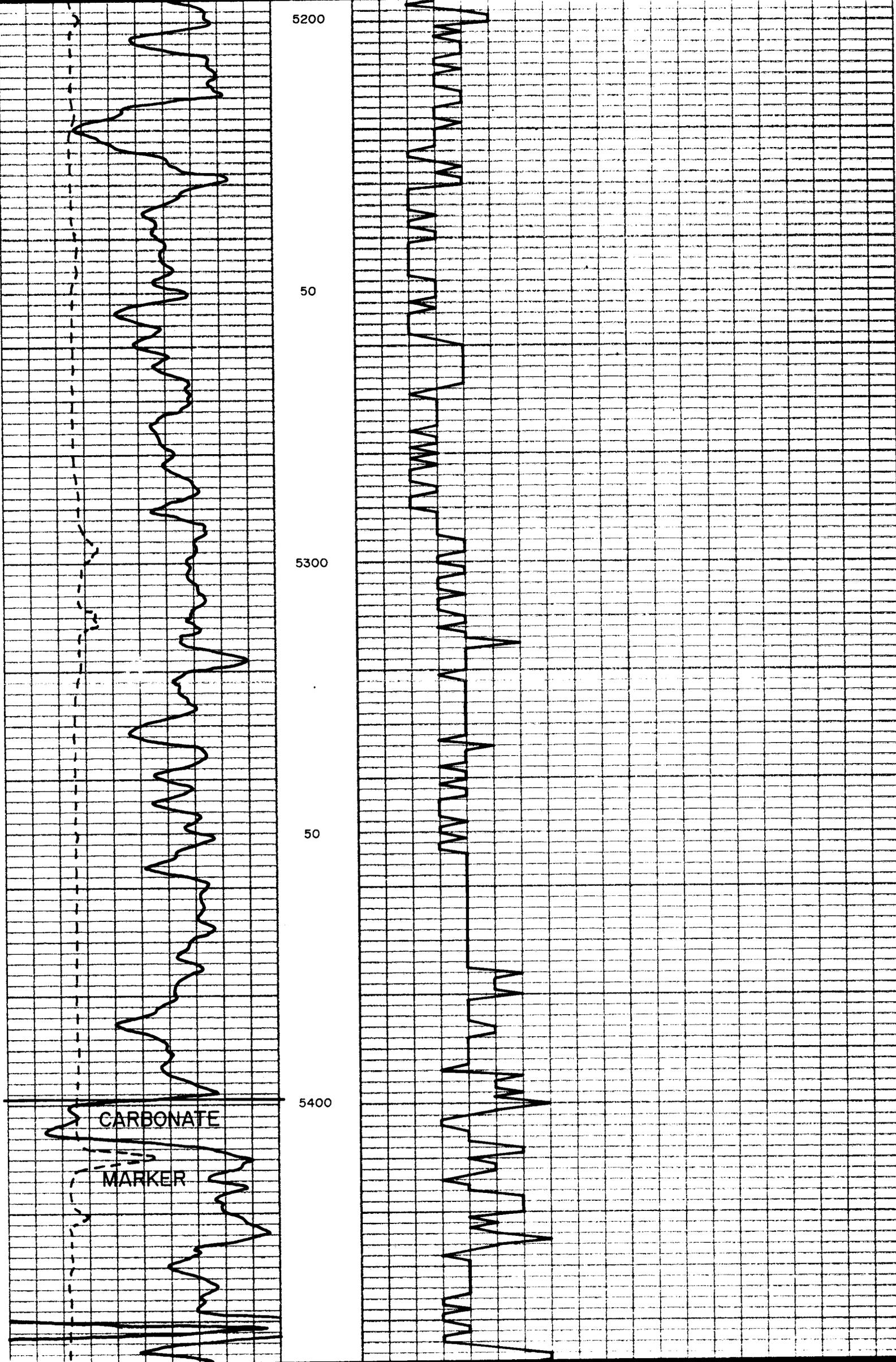
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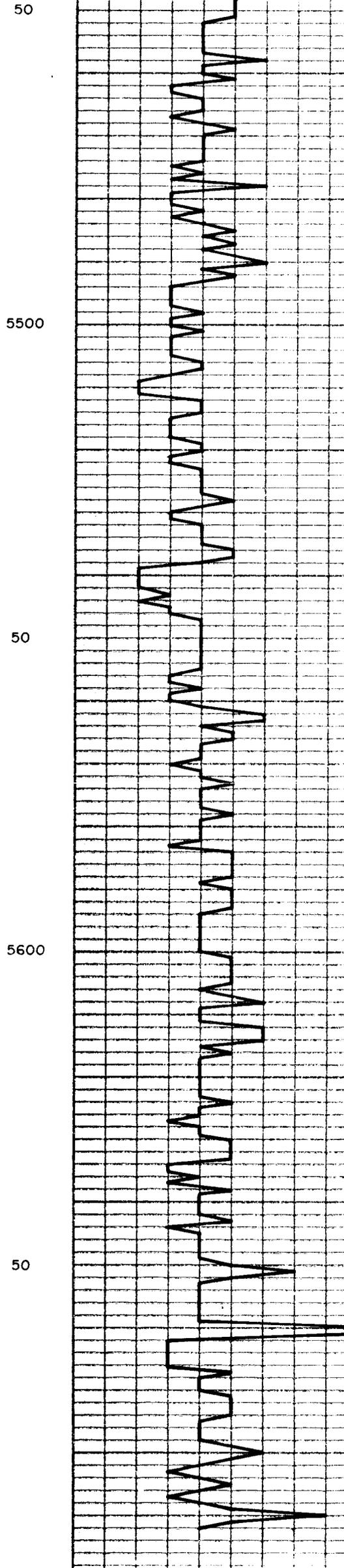
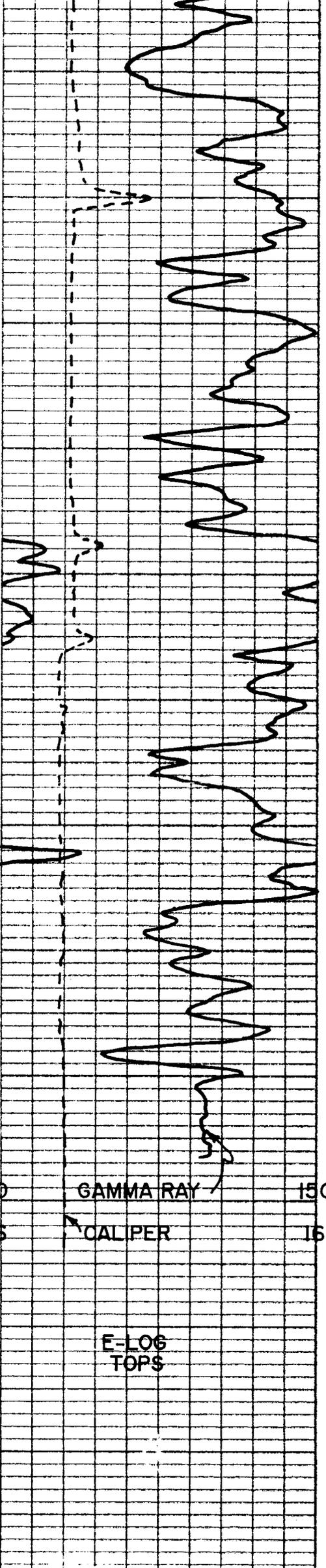
50

5400

CARBONATE

MARKER





UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
3 0 9 1991

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

**DIVISION OF
OIL GAS & MINING**

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-096550
2. Name of Operator Equitable Resources Energy Company, Balcon Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104 (259-7860)	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NE Section 14, T9S, R16E 363.3' FNL, 600' FEL	8. Well Name and No. Balcon Monument Federal #41-14J
	9. API Well No. 43-013-31410 08
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Site Security Diagram</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is our Site Security Diagram for this well.

14. I hereby certify that the foregoing is true and correct
 Signed _____ Title Coordinator of Environmental and Regulatory Affairs Date 2-7-94

(This space for Federal or State office use)

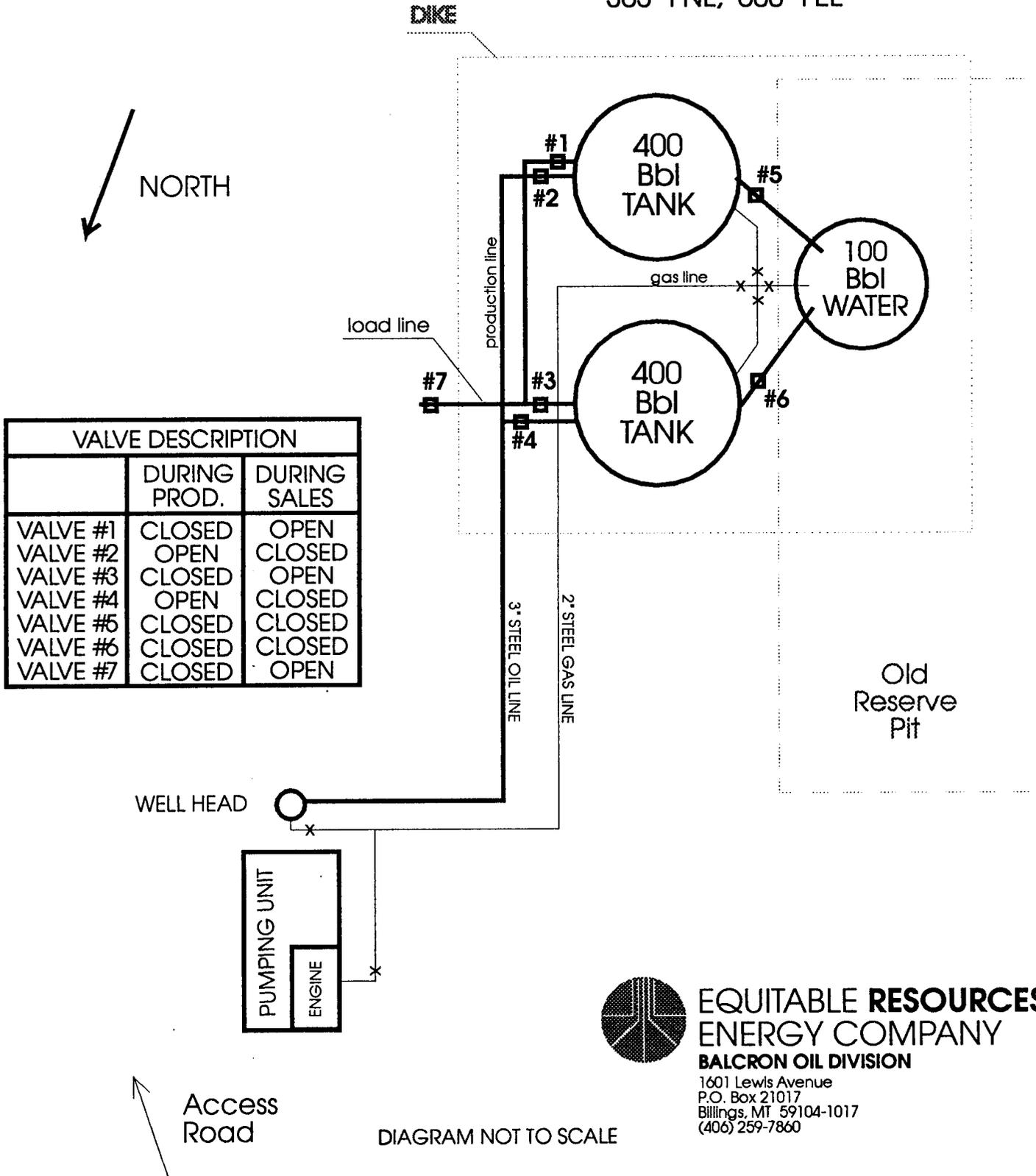
Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Equitable Resources Energy Company
 Balcron Federal 41-14J
 Production Facility Diagram

Balcron Monument Federal 41-14J
 NE NE Sec. 14, T9S, R16E
 Duchesne County, Utah
 Federal Lease #U-096550
 363' FNL, 600' FEL



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIAGRAM NOT TO SCALE



EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
 1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017
 (406) 259-7860

UTAH DIVISION OF OIL, GAS AND MINING EQUIPMENT INVENTORY



JAN 27 1994

Operator: Equitable Resources Lease: State: Federal: Indian: DIVISION OF
OIL, GAS & MINING

Well Name: Monument Fed. 41-14J API Number: 43-013-31408

Section: 14 Township: 9S Range: 16E County: Duchesne Field: Monument Butte

Well Status: POW Well Type: Oil: Gas:

PRODUCTION LEASE EQUIPMENT: CENTRAL BATTERY:

1 Well head Boiler(s) Compressor Separator(s)
 Dehydrator(s) Shed(s) Line Heater(s) Heated Separator
 VRU Heater Treater(s)

PUMPS:

 Triplex Chemical 1 Centrifugal

LIFT METHOD:

Pumpjack Hydraulic Submersible Flowing

GAS EQUIPMENT:

0 Gas Meters Purchase Meter Sales Meter

TANKS: NUMBER

SIZE

<u>2</u>	Oil Storage Tank(s)	<u>400</u>	BBLS
<u> </u>	Water Tank(s)	<u> </u>	BBLS
<u> </u>	Power Water Tank	<u> </u>	BBLS
<u> </u>	Condensate Tank(s)	<u> </u>	BBLS
<u>1</u>	Propane Tank	<u> </u>	

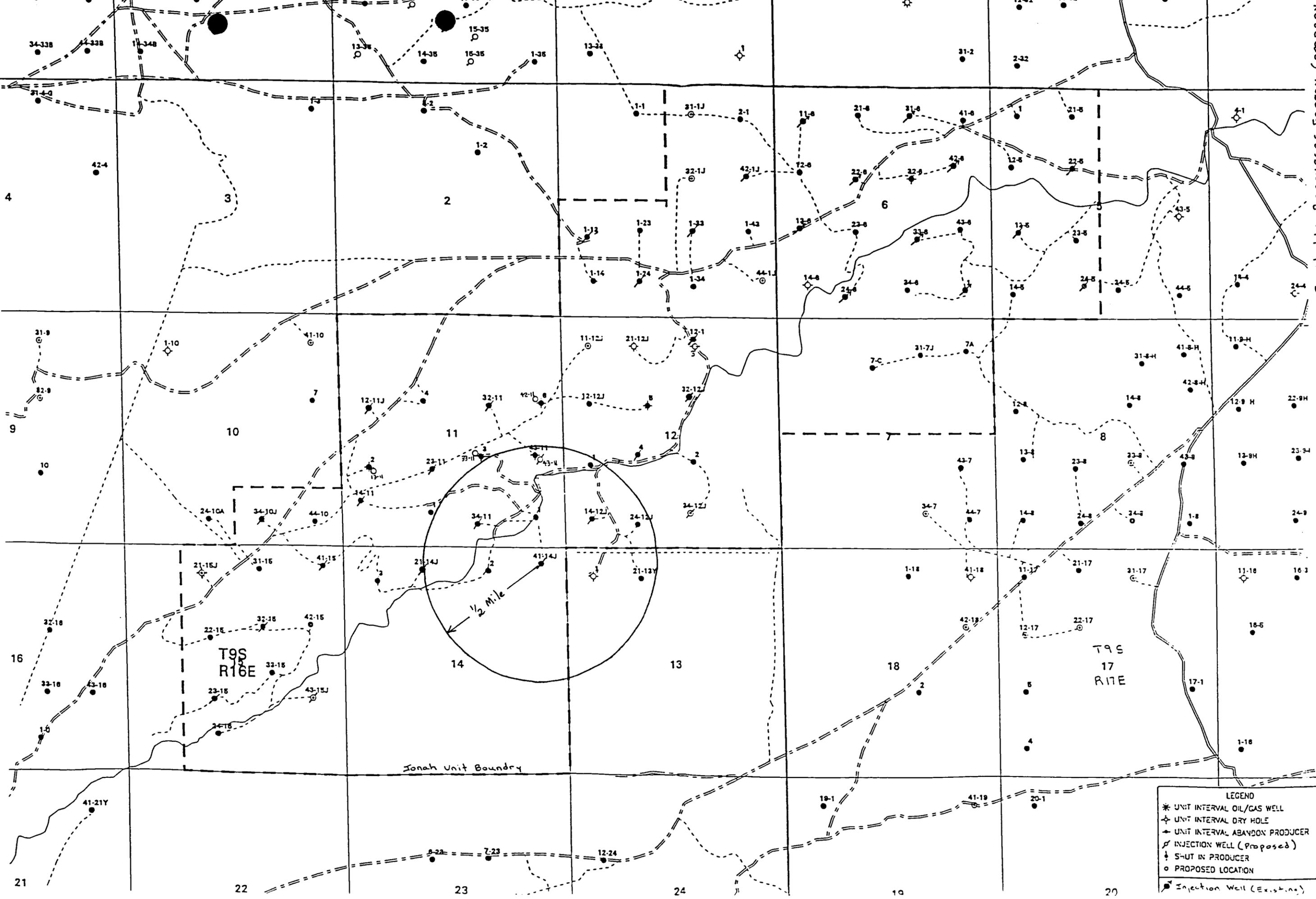
REMARKS: Pit tank on location to be installed when reserve
pit reclaimed

Location central battery: Qtr/Qtr: Section: Township: Range:

Inspector: David W. Hackford Date: 1/19/94

Figure-1 m
 1/2-Mile Radius Review Area-BMF #41-145

2-17-94
 12



LEGEND	
* (Star)	UNIT INTERVAL OIL/GAS WELL
◇ (Diamond)	UNIT INTERVAL DRY HOLE
→ (Arrow)	UNIT INTERVAL ABANDON PRODUCER
- - - (Dashed line)	INJECTION WELL (Proposed)
(Vertical bar)	SHUT IN PRODUCER
○ (Open circle)	PROPOSED LOCATION
● (Solid dot)	Injection Well (Existing)

RECEIVED

1991 09 03

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DIVISION OF
OIL GAS & MINING

1. Well name and number: Balcron Monument Federal #41-14J
API number: 43-013-31410 08
2. Well location: QQ NE NE section 14 township 9S range 16E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division
Address: P.O. Box 21017 phone: (406) 259-7860
Billings, MT 59104
4. Drilling contractor: Molen Drilling
Address: P.O. Box 2222 phone: (406) 252-2591
Billings, MT 59103

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water reported during drilling operations.	

6. Formation tops: See Geologic Report submitted separately.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman
Title Coordinator of Environmental and Date 2-7-94
Regulatory Affairs

Comments:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

Other instructions on reverse side

Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REVR. Other _____

2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR
P.O. Box 21017, Billings, MT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 363.3' ENL, 600' FEL
At top prod. interval reported below
At total depth _____

CONFIDENTIAL RECEIVED

DIVISION OF OIL GAS & MINING

14. PERMIT NO. ⁰⁸
43-013-31418
DATE ISSUED
9-7-93

5. LEASE DESIGNATION AND SERIAL NO.
U-096550

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT AGREEMENT NAME
Jonah Unit

8. FARM OR LEASE NAME
Balcron Monument Federal

9. WELL NO.
#41-147

10. FIELD AND POOL, OR WILDCAT
Monument Butte/Green River

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA
NE NE Section 14, T9S, R16E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DATE SPUNDED 12-1-93
16. DATE T.D. REACHED 12-17-93
17. DATE COMPL. (Ready to prod.) 1-7-94
18. ELEVATIONS (DP, RKB, RT, OR, ETC.)* 5529.4' GL
19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5698'
21. PLUG, BACK T.D., MD & TVD 5600.01'
22. IF MULTIPLE COMPL., HOW MANY? n/a
23. INTERVALS DRILLED BY _____
24. ROTARY TOOLS SFC - TD
25. CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4724' - 5043' Green River
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DL - DSN - SOL CB/6R/KCL, MUD LOG 1-18-94
27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLESIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	269'	12-1/4"	150 sxs Class "G" + additives	n/a
5-1/2"	15.5#	5646.81'	7-7/8"	225 sxs Hilift and 261 sxs Class "G"	n/a

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	5125.73'	n/a

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5125.73'	n/a

31. PERFORATION RECORD (Interval, size and number)
5043'-52' (2 SPF)
4724'-30' (2 SPF)
4732'-37' (2 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5043'-52'	12,500# 20/40 sand & 6500# 16/30 sand in 32 bbls 2% KCL water.
4724'-4737'	27,500# 16/30 sand in 408 bbls 2% KCL water.

33. PRODUCTION
DATE FIRST PRODUCTION 1-7-94
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump
WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 1-15-94
HOURS TESTED 24
CHOKER SIZE n/a
PROD'N. FOR TEST PERIOD →
OIL—BBL. 20
GAS—MCF. 60
WATER—BBL. 10
GAS-OIL RATIO 3

FLOW. TUBING PRESS. n/a
CASING PRESSURE n/a
CALCULATED 24-HOUR RATE →
OIL—BBL. 20
GAS—MCF. 60
WATER—BBL. 10
OIL GRAVITY-API (CORR.) 43

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel.
TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE 2-7-94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DSTs run.	See Geologic Report submitted separately.		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DATE*

Budget Bureau No. 1004-0137
Expires August 31, 1985

Other In-
structions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR. Other _____

**CONFIDENTIAL
RECEIVED**

2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR
P.O. Box 21017, Billings, MT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 363.3' ENL, 600' FEL
At top prod. interval reported below
At total depth _____

5. LEASE DESIGNATION AND SERIAL NO.
U-096550

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT AGREEMENT NAME
Jonah Unit

8. FARM OR LEASE NAME
Balcron Monument Federal

9. WELL NO.
#41-14J

10. FIELD AND POOL, OR WILDCAT
Monument Butte/Green River

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
NE NE Section 14, T9S, R16E

DIVISION OF
OIL GAS & MINING

14. PERMIT NO. ⁰⁸
43-013-31410

DATE ISSUED
9-7-93

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DATE SPUNDED
12-1-93

16. DATE T.D. REACHED
12-17-93

17. DATE COMPL. (Ready to prod.)
1-7-94

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)*
5529.4' GL

19. ELEV. CASINGHEAD
n/a

20. TOTAL DEPTH, MD & TYD
5698'

21. PLUG BACK T.D., MD & TYD
5600.01'

22. IF MULTIPLE COMPL., HOW MANY*
n/a

23. INTERVALS DRILLED BY
→

ROTARY TOOLS
SFC - TD

CABLE TOOLS
n/a

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYD)*
4724' - 5043' Green River

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DL - DSN - SDL CB/6e/KCL, MWD LOG 1-18-94

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	269'	12-1/4"	150 sxs Class "G" + additives	n/a
5-1/2"	15.5#	5646.81'	7-7/8"	225 sxs Hilift and 261 sxs Class "G"	n/a

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	5125.73'	n/a

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5125.73'	n/a

31. PERFORATION RECORD (Interval, size and number)

5043'-52' (2 SPF)
4724'-30' (2 SPF)
4732'-37' (2 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5043'-52'	12,500# 20/40 sand & 6500# 16/30 sand in 32 bbls 2% KCL water.
4724'-4737'	27,500# 16/30 sand in 408 bbls 2% KCL water.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
1-7-94	1-1/2" Insert Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-15-94	24	n/a	→	20	60	10	3

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	20	60	10	43

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel.

TEST WITNESSED BY
Dale Griffin

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
Coordinator of Environmental and
SIGNED Bobbie Schumas TITLE Regulatory Affairs DATE 2-7-94

*(See Instructions and Spaces for Additional Data on Reverse Side)



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

CONFIDENTIAL

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361

February 8, 1994

RECEIVED

FEB 11 1994

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

**DIVISION OF
OIL GAS & MINING**

Gentlemen:

RE: Balcron Monument Federal #41-14J *43-013-31408*
NE NE Section 14, T9S, R16E
Duchesne County, Utah

Enclosed for your records is are the daily operating reports for the subject well.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

Enclosures

cc: State of Utah, Division of Oil, Gas, & Mining

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-14J

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

---TIGHT HOLE---

363.3' FNL 600' FEL

PTD: 5,700' Formation: Green River

Prospect: JONAH UNIT, Monument Butte Field

Elevations: 5,529.4' GL

Contractor: Molen Drilling Rig #1

Operator: Balcron/EREC

Spud: 12-1-93 @ 1 p.m.

Casing: 8-5/8" @ 279' KB

5-1/2" @ 5646.81'

Tubing: 2-7/8" @ 5125.73'

RECEIVED

FEB 11 1994

DIVISION OF
OIL GAS & MINING

12-1-93 Well spud @ 1:00 p.m. by Leon Ross Air Drilling

11-3/26-93 Work on & finish location.

12-1-93 Move Leon Ross Air rig on & spud @ 1:00 p.m., drill to 150'.

12-2-93 Finish surface hole.

12-3-93 Run 6 jts 8-5/8" 24# csg & cmt by Dowell as follows:

Guide shoe .60

1 jt 8-5/8" 24# shoe jt 44.89'

Insert float -----

5 jts 8-5/8" 24# J-55 csg 225.55'

Set @ 269' GL, Union Drilling KB 279' 3 centralizers.

Cmt by Dowell w/150 sxs "G" + 2% CCL, 1/4#/sx celoflakes. Plug down @ 12 noon 12-3-93. 5 bbls cmt return to pit.

DC: \$23,349 CC: \$28,099

12-11-93 TD: 305' (26') Day 1

Formation: Uintah

MW 8.3 VIS 26

Present Operation: Drilling

MIRU, NU BOP. Test BOP & manifold to 2000#, test csg to 1500#.

Had trouble, but everything finally test OK. PU collars & drill cmt, survey, & drill ahead.

DC: \$5,704 CC: \$33,803

12-12-93 TD: 1,721' (1,416') Day 2

Formation: Uintah

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, change air head rubber, drill, repair air bowl, & drill ahead.

DC: \$18,630 CC: \$52,433

RECEIVED

FEB 11 1994

2

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #41-14J

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

DIVISION OF
OIL GAS & MINING

---TIGHT HOLE---

- 12-13-93 TD: 2,775' (1,054') Day 3
Formation: Green River
MW 8.4 VIS 26
Present Operation: TIH
Drill, survey, repair air leak, TOOH to clean gillsonite out from between & around cones. Cone would not turn. TIH. 50-60 MPH wind Sunday.
DC: \$14,390 CC: \$66,823
- 12-14-93 TD: 3,624' (849') Day 4
Formation: Green River
MW 8.4 VIS 26
Present Operation: Drilling
TIH, blow hole to btm, get back to drilling, survey & drill ahead.
DC: \$13,030 CC: \$79,853
- 12-15-93 TD: 4,602' (978') Day 5
Formation: Yellow Zone
MW 8.4 VIS 26
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$13,955 CC: \$93,808
- 12-16-93 TD: 5,098' (418') Day 6
Formation: Green Zone
MW 8.4 VIS 26
Present Operation: Drilling
Drill, trip for bit, had to ream 3050'-3090'. Going back in hole, ream 100' to btm. 1" of snow.
DC: \$7,004 CC: \$100,812
- 12-17-93 TD: 5,698' (600') Day 7
Formation: Green River
MW 8.4 VIS 26
Present Operation: Logging
Drill, survey, blow hole, load hole & circ for logs. TOH for logs, logging. Schlumberger couldn't make it, had to call Halliburton.
DC: \$11,295 CC: \$112,107

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #41-14J

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

---TIGHT HOLE---

- 12-17-93 5-1/2" csg & cmt as follows:
- | | | |
|---------------------------|-----------------|------------------|
| Guide Shoe | .60 | |
| 1 jt 5-1/2" 15.5# shoe jt | 45.20' | |
| Float collar | 1.00' | |
| 130 jts 5-1/2" 15.5# K-55 | <u>5591.01'</u> | |
| | 5637.81' | |
| Landing jt | 9.00' | |
| Csg set @ | 5646.81' | |
| PBTD: | 5600.01' | 20 centralizers. |
- Cmt by Dowell w/225 sxs Hilift cmt & tail w/261 sxs Class "G".
Float did not hold. Plug down @ 11:45 p.m. 12-17-93, release rig
@ 3:45 a.m. 12-18-93.
- 12-18-93 TD: 5,698' (0') Day 8
Formation: Green River
Present Operation: RDMO.
Logging, trip in hole w/collars & drill pipe. LD drill pipe &
collars. Change pipe rams in BOP & test 5-1/2" rams to 2000# - OK.
Run 5-1/2" csg, circ, had 20' of sticky fill on btm. Did not circ
down, cmt by Dowell. Set slips, ND & clean mud tank.
DC: \$61,609 CC: \$173,716
- 12-21-93 Completion
MIRU Basin Well Service Rig #2. Install well head, NU BOP. TIH
w/4-3/4" bit, 5-1/2" scraper & 179 jts 2-7/8" tbg. Tag PBTD, circ
well clean w/130 bbls of 2% KCL wtr. TOOH w/tbg, scraper, & bit.
SWIFN.
DC: \$20,804
- 12-22-93 Completion
RU Schlumberger to run CBL. Log from PBTD to 3500'. Skip & log
360' to 80', cmt topo @ 210'. Perf 5043'-52' (2 SPF). RD
Schlumberger. TIH w/5-1/2" RBP, retrieving tool, 1 jt 2-7/8" tbg,
5-1/2" HD packer, SN & 164 jts 2-7/8" tbg. Set BP @ 5100' KB, set
packer @ 4979' KB, EOT @ 5014' KB. RU Western to do HCL break down
refer to treatment report. Pressure test surface equipment 6000
psi - OK. TOOH w/tbg, SN, packer & retrieving tool. SWIFN.
DC: \$6,908
- 12-23-93 Completion
CP - 30 psi. RU Western to frac 5043'-52' **refer to treatment
report.** Screen out. RD Western. SWIFN.
DC: \$19,760

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #41-14J

Location: NE NE Section 14, T9S, R16E
 Duchesne County, Utah

---TIGHT HOLE---

- 12-24-93 Completion
 CP - vac. TIH w/retrieving tool, 1 jt 2-7/8" tbg, 5-1/2" packer, SN, 79 jts 2-7/8" tbg, tag gel @ 1900' KB, circ down tp 2500' KB, tag sand. Circ down to 5090' KB (BP). Circ well clean w/129 bbls of 2% KCL wtr. SWI for week end.
 DC: \$2,281
- 12-26-93 Completion
 CP - vac. TIH & set packer @ 4979' KB, EOT @ 5014' KB. Made 15 swab runs, recovered 45 BW, trace of oil. Swabbed fluid down to SN in 13 runs. Waited 30 min between 13 & 14 & between 14 & 15. Had 200' of entry on both runs, no sand. Release packer, tag sand @ 5089' KB. Circ hole clean, release BP. Reset BP @ 4850' KB. Pressure test BP to 1000 psi - OK. TOOH w/156 jts 2-7/8" tbg, SN, 5-1/2" packer, 1 jt 2-7/8" tbg & retrieving tool. SWIFN.
 DC: \$5,184
- 12-27-93 Completion
 CP - vac. TIH & set packer @ 4979' KB, EOT @ 5014' KB. Made 15 swab runs, recovered 45 BW, trace of oil. Swabbed fluid down to SN in 13 runs. Waited 30 min between 13 & 14 & between 14 & 15. Had 200' of entry on both runs, no sand. Release packer, tag sand @ 5089' KB. Circ hole clean, release BP. Reset BP @ 4850' KB. Pressure test BP to 1000 psi - OK. TOOH w/156 jts 2-7/8" tbg, SN, 5-1/2" packer, 1 jt 2-7/8" tbg & retrieving tool. SWIFN.
 DC: \$5,184
- 12-28-93 TD: 5,698'
 Present Operation: Completion
 RU Schlumberger to perforate 4,724'-30' & 4,732'-37'; 2 SPF. TIH w/152 jts 2-7/8" tubing; set packer @ 4,701' KB. RU Western to do HCL breakdown on 4,724'-30' & 4,732'-37'. Refer to treatment report. TOOH w/tubing & packer. RU Western to sand frac 4,724'-30' & 4,732'-37'. Refer to treatment report. SWIFD.
 DC: \$23,985
- 12-29-93 TD: 5,698'
 Present Operation: Completion
 TIH w/retrieving head, 1 jt 2-7/8" tubing, seat nipple, 5-1/2" packer & 152 jts 2-7/8" tubing. Tag sand fill at 4,798' KB, circulate down to 4,850' KB. Pull up & set packer at 4,671 KB, EOT at 4,706' KB. Made 16 swab runs. Recovered 55 BBLs water, trace of oil last three runs. Swab off seat nipple. 100' entry at 30 minutes. Release packer. Tag sand at 4,830. Circulate down to 4,850' (BP). Release BP & TOOH w/tubing & tools. TIH w/production string. SWIFN.
 DC: \$1,821

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #41-14J

Location: NE NE Section 14, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

- 12-30-93 Completion
ND BOP, NU wellhead. TIH w/production string as follows:
1 BHP 2-1/2" x 1-1/2" x 16' RWAC w/PA plunger, pump #1028 (Trico).
202 3/4" x 25' plain rods, D-61 (Trico)
one 3/4" x 8' pony
one 3/4" x 4' pony
one 1-1/4" x 22' polish rod (Trico)
Clamp rods off. Test tbg & pump 1000 psi - OK. RDMO
DC: \$7,355
- 1-7-94 Completion
Start pumping @ 1 p.m. 4 SPM, 86" stroke.
DC: \$38,733



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION
1001 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017

TREATMENT REPORT

Well Name Monument Fed. 41-14 J Date of Treatment: 12-28-93
 Field Monument Butte County Duckeane State Utah
 Formation/Perforations: Green River / 4724-30, 4732-37

Treatment type: HCL BREAK DOWN Total Number of Holes: 22
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid fluid
2100 gal. 2% HCL WATER fluid

TOTAL SAND VOL. : _____ lbs. 1 sand
 _____ lbs. 1 sand
 _____ lbs. 1 sand
 _____ lbs. 1 bauxite

Flushed well with _____ gal. of _____
48 ball sealers were pumped. Was ball action seen? NO
 Barrels of Load to Recover 62 BLTR.

Avg. Treating Pressure = 2800 psi, max = 3950 psi, min = 60 psi
 Avg. Treating Rate = 4.0 bpm, max = 4.0 bpm, min = 4.0 bpm
 ISIP = 1400 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi
 Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: PRESS. TEST SURFACE EQUIP. 6000 PSI, OK.
INITIAL BRK AT 1700 PSI AT 2.7 BPM, BACK TO 1200 PSI AT 4.0 BPM
SURGE BALLS OFF. PUMP FOR RATE, 7.0 BPM AT 2500 PSI.

Well site Supervisor: Dale Gray



EQUITABLE RESOURCES ENERGY COMPANY
 BALCRON OIL DIVISION
 1001 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017

TREATMENT REPORT

Well Name Monument Fed. 41-14 J Date of Treatment: 12-28-93
 Field Monument Butte County Duchene State Utah
 Formation/Perforations: Green River / 4724-30, 4732-37

Treatment type: SAND FRAC. Total Number of Holes: 2R
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics		Volume
			Size	Volume	
500 Gal.	HCL 15%	0	1120	5.5	
4000 Gal.	2% KCL WATER	0	2400	20.0	PAD
			2250	19.5	
600 Gal.		2 #	2210	19.5	16130
			2390	19.3	1200 #
800 Gal.		3 #	2360	19.3	16130
			2230	19.3	2400 #
1200 Gal.		4 #	2150	19.3	16130
					3200 #
1400 Gal.		5 #	2000	19.4	16130
					6000 #
900 Gal.		6 #	1900	19.6	16130
					8400 #
4660 Gal.		7 #	1950	19.6	16130
			1980	19.6	6300 #
		0	1890	19.9	
			2900	19.5	1
					1

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid fluid
14860 gal. 2% KCL WATER fluid

TOTAL SAND VOL.: 27500 lbs. 16130 sand
 _____ lbs. _____ sand
 _____ lbs. _____ sand
 _____ lbs. _____ bauxite

Flushed well with _____ gal. of _____ ball sealers were pumped. Was ball action seen? _____

Barrels of Load to Recover 408 BJR.

Avg. Treating Pressure = 2400 psl, max = 2800 psl, min = 1120 psl.
 Avg. Treating Rate = 19.5 bpm, max = 20 bpm, min = 19.3 bpm.
 ISIP = 2100 psl, 5 min. = 1600 psl, 10 min. = 1590 psl, 15 min. = 1560 psl.
 Well will be shut in for 18 hrs. before bringing back fluid.

REMARKS: _____

Well site Supervisor: Dale Griffin

Date of Treatment: 12-23-93

Well Name Monument Fed. #41-145 SEC. 14 TWN. 9 S RNG. 16 E
 Field Monument Butte County Darkeene State Utah

Formation/Perforations: Green River / 5043-52

Treatment type: SAND FRAC

Total Number of Holes: 18

Treatment Company: WESTERN

Sand Characteristics

Volume	Fluid	Conc.	Size		Volume
Gal.			PSI	BPM	
<u>500</u>	Gal. <u>HCL 15%</u>	<u>0</u>	<u>120</u>	<u>11.0</u>	
<u>3000</u>	Gal. <u>2% KCL WATER PAD</u>	<u>0</u>	<u>2300</u> <u>2290</u>	<u>20.1</u>	
<u>300</u>	Gal. <u>"</u>	<u>2 #</u>	<u>2300</u> <u>2300</u>	<u>20.0</u>	<u>20140</u> #
<u>600</u>	Gal. <u>"</u>	<u>3 #</u>	<u>2270</u> <u>2280</u>	<u>20.0</u>	<u>20140</u> #
<u>600</u>	Gal. <u>"</u>	<u>4 #</u>	<u>2250</u> <u>2240</u>	<u>19.9</u>	<u>20140</u> #
<u>1000</u>	Gal. <u>"</u>	<u>5 #</u>	<u>2430</u> <u>2180</u>	<u>19.9</u>	<u>20140</u> #
<u>450</u>	Gal. <u>"</u>	<u>6 #</u>	<u>2120</u> <u>2170</u>	<u>20.0</u>	<u>20140</u> #
<u>850</u>	Gal. <u>"</u>	<u>6 #</u>	<u>2260</u> <u>2590</u>	<u>20.0</u>	<u>16130 SCREEN OUT</u> #
<u>700</u>	Gal. <u>"</u>	<u>7 #</u>	2200		<u>16130</u> #
<u>1344</u>	Gal. <u>" FLUSH</u>	<u>0</u>	<u>2600</u> <u>3200</u>	<u>20.0</u> <u>1.0</u>	<u>1</u> #

TOTAL FLUID PUMPED: 500 gal. 15 % HCL Acid
8144 ~~10000~~ gal. 2% KCL WATER fluid

TOTAL SAND VOL.: 12500 lbs. 20140 sand
6500 ~~10000~~ lbs. 16130 sand
 lbs. 1 sand
 lbs. 1 bauxite

Flushed well with 1344 gal. of 2% KCL WATER
 ball sealers were pumped. Was ball action seen?

Barrels of Load to Recover BUR.

Avg. Treating Pressure = 2300 psi, max = 3200 psi, min = 2050 psi.
 Avg. Treating Rate = 19.0 bpm, max = 20.1 bpm, min = 1.0 bpm.
 ISIP = ~~2000~~ 2000 psi, 5 min. = ~~2000~~ 500 psi, 10 min. = 240 psi, 15 min. = 20 psi.
 Well will be shut in for hrs. before bringing back fluid.

REMARKS: PRESS. TEST SURFACE EQUIP. TO 4000 PSI, OK
SCREEN OUT 2500 LBS. OF 5# ON FORMATION.

Well site Supervisor: Dale Griffin



EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Birmingham, MI 48104-1017

TREATMENT REPORT

Date of Treatment: 12-22-93

Well Name Monument Fed. 41-14 J SEC. 14 TWN. 9S RNG. 16E

Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5043-52

Treatment type: HCL BREAK DOWN Total Number of Holes: 18

Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #

TOTAL FLUID PUMPED: 500 gal. 15 % HCL Acid fluid
1764 gal. 2 % HCL WATER fluid

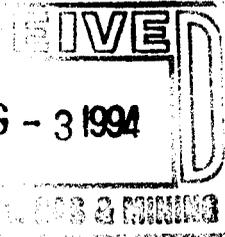
TOTAL SAND VOL. : _____ lbs. 1 sand
_____ lbs. 1 sand
_____ lbs. 1 sand
_____ lbs. 1 bauxite

Flushed well with _____ gal. of _____
36 ball sealers were pumped. Was ball action seen? HHH HHH HHH HHH BALL OFF
Barrels of Load to Recover 54 BLR.

Avg. Treating Pressure = 1550 psi, max = 1600 psi, min = 1500 psi.
Avg. Treating Rate = 4.0 bpm, max = 4.0 bpm, min = 4.0 bpm.
ISIP = 1000 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.
Well will be shut in for _____ hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT 3200 PSI AT 2.0 BPM
BACK TO 1500 PSI AT 4.0 BPM
SURGE BALLS OFF, PUMP FOR RATE, 7.0 BPM AT 2500 PSI

Well site Supervisor: Dale Griffin



APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Equitable Resources Energy Company,
Balcron Oil Division
ADDRESS P.O. Box 21017
Billings, MT 59104

Well name and number: Balcron Monument Federal #41-14J
Field or Unit name: Monument Butte Field/Jonah Unit Lease no. U-096550
Well location: QQ NE NE section 14 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . Yes No
Will the proposed well be used for: Enhanced Recovery? . . Yes No
Disposal? Yes No
Storage? Yes No
Is this application for a new well to be drilled? Yes No
If this application is for an existing well,
has a casing test been performed on the well? Yes No
Date of test: _____
API number: 43-013- 31408

Proposed Injection Interval: from 4,724' to 5,052'
Proposed maximum Injection: rate 600 BHPD pressure 2000 psig
Proposed Injection zone contains oil, gas, and/or fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: UIC Permit Application

I certify that this report is true and complete to the best of my knowledge.
Name Robbie Schuman Signature Robbie Schuman
Title Regulatory and Environmental Specialist Date August 2, 1994
Phone No. (406) 259-7860

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

INJECTION PERMIT TRACKING RECORD

Company: Equitable Well: 41-14J

Location: Sec. 14 Twn: 9S Rng: 16 E QtQt: WENE

County: Duch Field: MB. Unit: Indh

API No.: 43-013-31408

Date Received: 8/3/84

Cause Number: _____

Notice Date: _____

Conversion Approval: _____

Permit Issued: _____

Commencement: _____

Drilled: Y

Code: E

Hearing Date: _____

Wells In AOR: _____



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 1, 1994

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-152

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168



BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF EQUITABLE RESOURCES ENERGY	:	
COMPANY FOR ADMINISTRATIVE	:	CAUSE NO. UIC-152
APPROVAL TO CONVERT THE 44-1J, 34-10J,	:	
34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J,	:	
14-12J, 32-12J, C & O GOVERNMENT #4,	:	
21-14J, 41-14J, 23-15J, 32-15J, AND 41-15J WELLS,	:	
LOCATED IN SECTIONS 1, 10, 11, 12, 14, & 15,	:	
TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, TO CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells, located in Sections 1, 10, 11, 12, 14 & 15, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4590 - 5614 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 1st day of September, 1994.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



R.J. Firth
Associate Director, Oil and Gas

Equitable Resources Energy Company
44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J,
C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells
Cause No. UIC-152

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Dan Jackson
U.S. Environmental Protection Agency
Region VIII
999 18th Street
Denver, Colorado 80202-2466

Ed Bonner
State Lands and Forestry
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204



Lisa D. Clement
Administrative Secretary
September 1, 1994

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached listing

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

See attached listing

9. API Well No.

See attached listing

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator intends to convert the wells on the attached listing to water injection in accordance with the attached injection well completion diagrams. Water will be injected at a rate of 5-6 STBWPD per foot of pay (average 180-200 STBWPD). The proposed conversion and water injection will commence as soon as Utah State UIC permits are approved.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date 9-12-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

Balcron Monument Federal #41-14J
 Jonah Unit/Monument Butte Field
 Lease No. U-096550
 NE NE Section 14, T9S, R16E
 Duchesne County, Utah

BALCRON OIL
 7-6-94/ks

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Proposed Injection Well Completion Diagram

Elev.Gr @ 5529'
 Elev.KB @ 5539' (10' KB)

SURFACE CASING

8-5/8", 24#, J-55
 Length @ 271.04'
 Hole size @ 12-1/4"
 Depth landed @ 279' KB
 Cemented w/150 sxs Class "G" w/
 2% CCL, 1/4#/sx Celoflake.

PRODUCTION CASING

5-1/2", 15.5#, K-55
 Length @ 5637.81'
 Hole size @ 7-7/8"
 Depth landed @ 5646.81' KB
 Cemented w/225 sxs Hilift tailed
 w/ 261 sxs Class "G".
 TOC @ 1355' (Calculated)

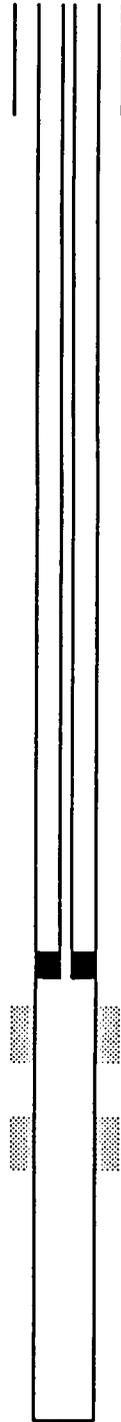
TUBING

2-7/8", 6.5 #, J-55
 SN @ 2-7/8" x 1.15' (2.25" ID)
 SN landed @ 4646' KB

Retrievable Csg Tension Packer
 Model: Arrow Set-1
 Landed @ 4650' KB

Proposed Injection Horizons

4724'-4730' (6')	(2 SPF)	RED5
4732'-4737' (5')	(2 SPF)	RED5
5043'-5052' (9')	(2 SPF)	GREEN4



← 279' KB

← Top of Cement @ 1355' (Calculated)
 -- Uintah Formation @ Surface to 1400' --

-- Green River Formation @ 1400' to 4100' --

← Retrievable Csg Tension Packer @ 4650' KB

-- Douglas Creek Member @ 4100' to 5350' --

PBTD @ 5600.01' KB
 TD @ 5692' KB

-- Wasatch Formation Transition @ 5350' to 6000' --
 -- Wasatch Formation @ 6000' --

PERFORATION RECORD

4724'-4730' (6')	(2 SPF)	RED5
4732'-4737' (5')	(2 SPF)	RED5
5043'-5052' (9')	(2 SPF)	GREEN4

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ZONE	LEASE NO.	API NUMBER	FOOTAGES	UNIT
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Jonah
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	Green River	U-017985	43-013-31416	592' FSL, 1979.2' FEL	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	Green River	U-035521	43-013-31419	1804.8' FNL, 2138.6' FEL	Jonah
C&O Gov't #4	Monument Butte	NE SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-30742	2140' FSL, 1820' FWL	Jonah
Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Jonah
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Jonah
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	Green River	U-096547	43-013-31421	517.8' FNL, 1850.2' FWL	Jonah
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31002	2126.9' FSL, 692.8' FEL	Jonah
Walton Federal #34-11	Monument Butte	SW SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31003	537' FSL, 2092' FEL	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	Green River	U-096550	43-013-31408	363.3' FNL, 600' FEL	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	Green River	U-096550	43-013-31410	738.6' FNL, 648.2' FWL	Jonah
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	Green River	U-44426	43-013-31415	859' FSL, 338' FEL	Jonah



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

September 12, 1994

SEP 13 1994

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

BALCRON MONUMENT FEDERAL 41-14J
Sec 14 T9S R16E
43-012.31408

Gentlemen:

Enclosed are Notices of Intent to convert the seventeen wells on the enclosed list to water injection.

If you have any questions or need additional information, please let me know.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Dan Jarvis, Utah Division of Oil, Gas and Mining

143 SOUTH MAIN ST
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	LE-5385340	09/13/94
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-152 BEFORE DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN THE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

NOTICE OF AGENCY ACTION CAUSE NO. UIC-152 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH
IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT THE 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O GOVERNMENT #4, 24-14J, 41-14J, 23-15J, 32-15J, AND 41-15J WELLS, LOCATED IN SECTIONS 1, 10, 11, 12, 14, & 45, TOWNSHIP 9 SOUTH, RANGE 16 EAST, 61M., DUCHESNE COUNTY, UTAH, TO CLASS II INJECTION WELLS.
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

SEP 12 1994
[Signature]
94

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O Government #4, 24-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells, located in Sections 1, 10, 11, 12, 14, & 45, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II Injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.
Equitable proposes to inject water into this captioned wells in the Green River Formation interval at approximately 4590-5614 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.
DATED this 1st day of September, 1994.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R.J. Firth, Associate Director, Oil and Gas

ACCOUNT NAME	TELEPHONE	
& MINING	801-538-5340	
SCHEDULE	AD NUMBER	
	98710280	
CAPTION	MISC. CHARGES	
NOTICE OF AGENCY ACTION CAUSE NO. UIC-152 BEFORE	.00	
TIMES	RATE	AD CHARGE
1	1.64	160.72
COLUMN		
ON RECEIPT OF THIS INVOICE	TOTAL AMOUNT DUE	160.72

THANK YOU FOR USING LEGAL ADVERTISING.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE
LEGAL ADVERTISING ADV06-NT

ACCOUNT NUMBER	AD NUMBER	BILLING DATE	PAY THIS AMOUNT
LE-5385340	98710280	09/13/94	160.72

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MAKE CHECKS PAYABLE TO:
NEWSPAPER AGENCY CORPORATION
DIV OF OIL, GAS & MINING
355 WEST NORTH TEMPLE
3 TRIAD CENTER #350
SLC, UT 84180

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PLEASE REMOVE THIS STUB

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
DECISION DOCUMENT**

Applicant: Balcron Oil **Location:** Jonah Unit

Wells: Federal 34-10,12-11,14-11,23-11,32-11,34-11,43-11,
C&O Govt. #4,12-12,14-12,32-12,21-14,41-14,23-15,32-15,
41-15 and 44-1

Ownership Issues: The proposed wells are located in sections 1,10,11,12,14 and 15 township 9 south, range 16 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Balcron Oil has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

Well Integrity: The seventeen wells proposed for conversion to injection all have surface casing set at approximately 300 feet \pm 30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 5800 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4590-5614 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 27 producing wells, 17 injection wells and 5 plugged and abandoned wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

Ground Water Protection: The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .861 psi/ft resulting in a maximum allowed surface pressure of 2000 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

Oil/Gas & Other Mineral Resources Protection: Balcron is the operator of the Jonah Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

Bonding: Balcron is the operator of all wells within the project and is bonded by the Federal Government.

Actions Taken and Further Approvals Needed: These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulas needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 15 day comment period if no objections are received it is recommended to issue both an approval to convert the wells and an injection permit. There are no special conditions or stipulations and the permit should be granted in accordance with the conditions set forth in the application.

DJJ
Reviewers

09-30-94
Date



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

October 4, 1994

Equitable Resources Energy Company
Balcron Oil Division
1601 Lewis Avenue
Billings, Montana 59104

Re: Monument Butte Federal 34-10, 12-11, 14-11, 23-11, 32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14, 41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4 Wells Located in Sections 1, 10, 11, 12, 14 and 15, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

In accordance with Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells.

The following stipulations shall apply for compliance with this approval:

1. Full compliance with all applicable requirements regarding operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all conditions and requirements of the enclosed Underground Injection Control Permit and the application submitted by Equitable Resources Energy Company.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

R.J. Firth
Associate Director

cc: Dan Jackson, EPA
Bureau of Land Management, Vernal





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-152

Operator: Equitable Resources Energy Company

Wells: Monument Butte Federal 34-10, 12-11, 14-11, 23-11,
32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14,
41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4

Location: Sections 1, 10, 11, 12, 14 and 15, Township 9 S,
Range 16 E,
Duchesne County

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Wells issued on October 4, 1994.
2. Maximum Allowable Injection Pressure: 2000 psig
3. Maximum Allowable Injection Rate: 600 bbls per day/well

Approved by: _____

R.J. Firth
Associate Director, Oil and Gas

10/4/94
Date

STATE OF UTAH
 Division of Oil, Gas and Mining
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/18/94</u>	Well Owner/Operator: <u>BALCON</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31408</u>	Well Name/Number: <u>41-14 J</u>
Section: <u>14</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: SI Pressure: 400 psi
 Casing/Tubing Annulus - Pressure: 960 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>960</u>	<u>400</u>
5	<u>960</u>	"
10	<u>960</u>	"
15	<u>960</u>	"
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

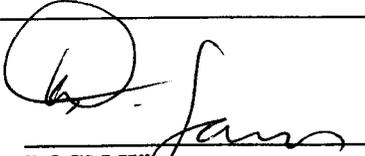
Conditions After Test:

Tubing Pressure: 400 psi
 Casing/Tubing Annulus Pressure: _____ psi

REMARKS:

well passed MIT.

Operator Representative _____



 DOGM Witness

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

3. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

Jonah Unit

1. Type of Well

Oil Well Gas Well Other WIW

8. Well Name and No.

Balcron Monument Federal #41-14J

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

9. API Well No.

43-013-31408

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NE Section 14, T9S, R16E
363' FNL, 600' FEL

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well has been converted to water injection in accordance with permit approval. Refer to the attached workover procedure, well report, and injection well completion diagram for details of the conversion.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date January 13, 1995

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Balcron Monument Federal #41-14J
Jonah Unit/Monument Butte Field
Lease No. U-096550
NE NE Section 14, T9S, R16E
Duchesne County, Utah

WELL HISTORY REPORT

Date Work Description

Conversion of well to water injection.

9-21-94	- MIRU Cannon Well Service, TOO H w/rods,pump, & tbg.
10-13-94	- RIH w/bit & scrapper to TD. - RIH w/ 2 7/8" injection tbg & Arrow Set-1 packer. - Pump 55 gals Champion Cortron #23-83 corrosion inhibitor mixed w/ 60 STBW down csg. - Set packer @ 4648' KB, NU wellhead, pressure test csg annulus to 1000 psig. no loss, RDMO.
10-18-94	Perform MIT, pressure csg annulus to 960 psig for 15 min., no loss, tbg @ 400 psig, Utah OG&M witness Dan Jarvis.
10-27-94	RU Alnigther Hot Oil Service, mix 5 gals Wsetern Claymaster & 10 gals 940 surfactant w/ 130 STB 2% KCl water, pump down tbg @ 180 deg.F., 0.5 STBPM @ 1800 psig, start water injection @ 125 STBPD.

Balcron Monument Federal #41-14J
 NE NE Section 14, T9S, R16E
 363' FNL & 600' FEL
 Lease No. U-096550
 Jonah Unit/Monument Butte Field
 Duchesne County, Utah

BALCRON OIL
 1-12-94 JZ

Injection Well Completion Diagram

Elev.Gr @ 5529'
 Elev.KB @ 5539' (10' KB)

UTAH CAUSE NO.: UIC-152

SURFACE CASING

8-5/8", 24#, J-55
 Length @ 271.04'
 Hole size @ 12-1/4"
 Depth landed @ 279' KB
 Cemented w/150 sxs Class "G" w/
 2% CCL, 1/4#/sx Celoflake.

← 279' KB

PRODUCTION CASING

5-1/2", 15.5#, K-55
 Length @ 5637.81'
 Hole size @ 7-7/8"
 Depth landed @ 5646.81' KB
 Cemented w/225 sxs Hilift tailed
 w/ 261 sxs Class "G".
 TOC @ 1355' (Calculated)

← Top of Cement @ 1355' (Calculated)

- Uintah Formation @ Surface to 1400'

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 149 jnts 2 7/8" tbg	4629.61	4639.61
2) 2 7/8" SN (2.25" ID)	1.10	4640.71
3) 2 7/8"x 2 3/8" X-Over	0.60	4641.31
4) 5.5" Arrow Set-1 Pkr	6.20	4647.51
End of Tubing		4647.51

- Green River Formation @ 1400' to 4100'

← Arrow Set-1 Packer @ 4648' KB

Injection Packers Set 10-13-94 By Mtn States.
 Arrow Set-1 Pkr 5 1/2"x 2 3/8"
 2 7/8" SN ID @ 2.25".
 Arrow Set-1 Pkr set w/ 14" Tension.
 Packer fluid - 55 gals Champion Cortron #23-83
 w/ 60 STBW.

29%
 20%
 51%

PERFORATION RECORD

4724'- 4730' (6')	(2 SPF)	RED5
4732'- 4737' (5')	(2 SPF)	RED5
5043'- 5052' (9')	(2 SPF)	GREEN4

Proposed Injection Horizons

4724'- 4730' (6')	RED5
4732'- 4737' (5')	RED5
5043'- 5052' (9')	GREEN4

- Douglas Creek Member @ 4100' to 5350'

Tracer Survey ran 12-29-94.

PBTD @ 5600.01' KB
 TD @ 5692' KB

- Wasatch Formation Transition @ 5350' to 6000'
 - Wasatch Formation @ 6000'

WELL NAME: Balcron Monument Federal #41-14J
 FIELD: Jonah Unit/Monument Butte Field
 FEDERAL LEASE NO.: U-096550
 LOCATION: NE NE Section 14, T9S, R16E
 363' FNL & 600' FEL
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 1-7-94
 INITIAL PRODUCTION: 20 STBOPD, 60 MSCFPD, 10 STBWPD
 LAST PRODUCTION: 5 STBOPD, 20 MCFPD, 0 STBWPD
 PRESENT PROD STATUS: Water Injection Well
 Started Water injection 10-27-94.
 CONVERSION TO INJ.: 10-13-94
 INJECTION RATE: 125 STBWPD
 ELEVATIONS - GROUND: 5529'
 TOTAL DEPTH: 5692' KB

DATE: 1-12-94 JZ
 API NO.: 43-013-31408
 UTAH CAUSE NO.: UIC-152
 NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 12-1-93
 OIL GRAVITY: 34 API
 BHT: 174 Deg.F
 LAST MIT DATE: 10-18-94
 960 psig for 15 min., no loss.
 KB: 5539' (10' KB)
 PLUG BACKTD: 5600.01' KB

SURFACE CASING

STRING: 1
 SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24 #
 LENGTH: 6 jnts @ 271.04'
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 279' KB
 CEMENT DATA: 150 sxs Class "G" + 2% CCL,
 1/4#/sx Celoflake

PRODUCTION CASING

STRING: 1
 SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5 #
 LENGTH: 131 jnts @ 5637.81'
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5646.81' KB
 CEMENT DATA: 225 sxs Hilitail tailed w/261
 sxs Class "G" w/ additives.
 CEMENT TOP AT: 1355' (Calculated)

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT. (w/10' KB)
KB	10.00	
1) 149 jnts 2 7/8" tbg	4629.61	4639.61
2) 2 7/8" SN (2.25" ID)	1.10	4640.71
3) 2 7/8" x 2 3/8" X-Over	0.60	4641.31
4) 5.5" Arrow Set-1 Pkr End of Tubing	6.20	4647.51 4647.51

Injection Packers Set 10-13-94 By Mtn States.
 Arrow Set-1 Pkr 5 1/2" x 2 3/8"
 2 7/8" SN ID @ 2.25".
 Arrow Set-1 Pkr set w/ 14" Tension.
 Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

Injection Horizons

4724'- 4730' (6)	RED5
4732'- 4737' (5)	RED5
5043'- 5052' (9)	GREEN4

LOGS: Dual Laterolog; Spectral Density Dual
 Spaced Neutron Log; Cement Bond & Gamma-Ray
 & Collar Log; Mud Log.

PERFORATION RECORD

4724'- 4730' (6)	(2 SPF)	RED 5
4732'- 4737' (5)	(2 SPF)	RED 5
5043'- 5052' (9)	(2 SPF)	GREEN 4

ACID JOB

5043'-5052' KB -	12-22-93 by Western w/500 gals 15% HCL & 1764 gals 2% KCL wr. ATP 1550 psi, max 1600 psi. ATR 4 BPM, max 4 BPM. ISIP 1000 psi.
4724'-4737' KB -	12-28-93 by Western w/500 gals 15% HCL & 2100 gals 2% KCL wr. ATP 2800 psi, max 3950 psi. ATR 4 BPM, max 4 BPM. ISIP 1400 psi.

FRAC JOB

5043'-5052' KB -	12-23-93 by Western w/12,500# 20/40 mesh sand & 6,500# 16/30 mesh sand in 500 gals 15% HCL & 8144 gals 2% KCL wr. (Screened out). ATP 2300 psi, max 3200 psi. ATR 19 BPM, max 20.1 BPM. ISIP 2800 psi, 5 min 500 psi, 10 min 240 psi, 15 min 20 psi.
4724'-4737' KB -	12-28-93 by Western w/27,500# 16/30 mesh sand w/500 gals 15% HCL & 14,860 gals 2% KCL wr. ATP 2100 psi, max 2800 psi. ATR 19.5 BPM, max 20 BPM. ISIP 2100 psi, 5 min 1600 psi, 10 min 1580 psi, 15 min 1560 psi.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
INJECTION WELL INSPECTION RECORD

Pressure test

Operator: Equitable API: 43-013-31408
Well Name: 41-14 Field: _____
Sec/Twp/Rng: 14 9S 16E
County: Duchesne

Type of Inspection: Routine MIT Workover Conversion Plugging

Injection Type:

Disposal: _____ Enhanced Recovery: X Other: _____

Injecting: Yes Shut-In: _____
Rate: _____ (bpd) Totalizer: _____ (bbls)
Gauges: Tubing _____ Casing Pressure: 990 (psig)
Casing _____

Tubing Pressure: 1900 (psig) Housekeeping: _____

Equipment Condition: _____

Remarks: pressured to 990 psi held 15 min
Passed MIT

Inspector: R. J. [Signature] Date: 2-2-95
Time: 10:10

[Signature]



EQUITABLE RESOURCES
ENERGY COMPANY

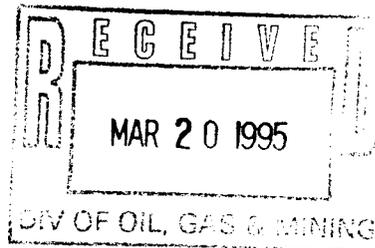
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361



March 16, 1995

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached are copies of the injection profile reports for our enhanced recovery wells in the Jonah Unit.

If you have any questions, please call John Zellitti at (406) 259-7860.

Sincerely,

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Attachments



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

RECEIVED
APR 4 1996

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

April 1, 1996

Mr. Dan Jarvis
Utah Division of Oil, Gas and Mining
UIC Program
355 West North Temple
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

UTAH UIC PERMITS

Balcron Oil Monument Butte Jonah Unit Waterflood (new name)	
Formerly Monument Butte Area-A Waterflood Approved 12/22/92	
Area Permit No. UT2642-00000	
Allen Federal #22-6	UT2642-03729 (AREA PERMIT UT2642-00000)
Allen Federal #13-6	UT2642-03730 (AREA PERMIT UT2642-00000)
Allen Federal #31-6	UT2642-03731 (AREA PERMIT UT2642-00000) (State #UIC-142)
Allen Federal #1-6	UT2642-03732 (AREA PERMIT UT2642-00000)
Allen Federal #1A-5	UT2642-03733 (AREA PERMIT UT2642-00000)
	NOTE: Never converted to UIC - put back on production
Balcron Monument Fed. #11-6	UT2642-03734 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #24-6	UT2642-03735 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #33-6	UT2642-03736 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #42-6	UT2642-03737 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #13-5J	UT2642-04208 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #22-5J	UT2642-04209 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #24-5	UT2642-04210 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #31-7J	UT2642-04211 (AREA PERMIT UT2642-00000) (State #UIC-149)
Monument Butte #1-33	State #UIC-151
Monument Butte #1-24	State #UIC-151
Monument Butte #1-13	State #UIC-151
Balcron Monument Fed. #42-1J	State #UIC-151
Getty #12-1	State #UIC-151
Balcron Monument Fed. #41-15	State #UIC-152
Balcron Monument Fed. #32-15	State #UIC-152
Balcron Monument Fed. #23-15	State #UIC-152
Balcron Monument Fed. #41-14J	State #UIC-152
Balcron Monument Fed. #21-14J	State #UIC-152
Balcron Monument Fed. #32-12J	State #UIC-152
C & O Gov't #4	State #UIC-152
Balcron Monument Fed. #14-12J	State #UIC-152
Balcron Monument Fed. #12-12J	State #UIC-152
Balcron Monument Fed. #43-11J	State #UIC-152
Balcron Monument Fed. #32-11	State #UIC-152

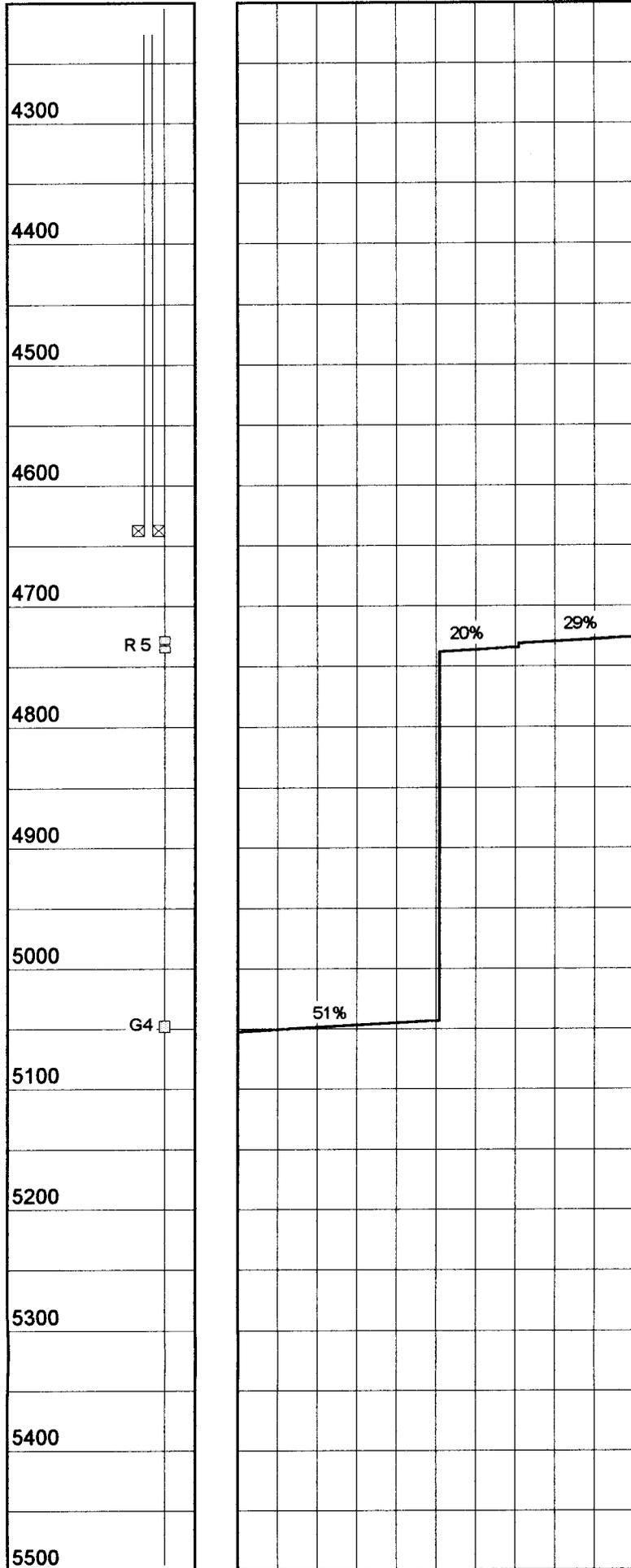
EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION

INJECTION PROFILE

**BALCRON MONUMENT
FEDERAL 41-14J**

Date: 12/29/94	Desired Rate: 125 B/D
Surface Temp: 43 F	Metered Rate: 125 B/D
BHT: 152 F	Measured Rate: 106 B/D
PBTD: 5600	Tbg Pressure: 1850 PSI
TD: 5600	Csg Pressure: 1500 PSI

0 10 20 30 40 50 60 70 80 90 100



Remarks: R/A Tracer survey indicates exits as shown. Packer checks okay.
 At the beginning of the survey the casing valve was opened and casing pressure went to zero. The casing valve was left open during the survey but flowed at a rate of 1.8 B/D and leak could not be detected.
Service Company: Well Information Services, Inc.
Operator: Bart Williams

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: See attached listing		5. Lease Designation and Serial Number: See attached listing
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division		6. If Indian, Allottee or Tribe Name: n/a
3. Address and Telephone Number: 1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860		7. Unit Agreement Name: See attached listing
4. Location of Well Footages: See attached listing		8. Well Name and Number: See attached listing
OO, Sec., T., R., M.:		9. API Well Number: See attached listing
		10. Field and Pool, or Wildcat: See attached listing
		County: See attached list
		State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.

Name & Signature: Bobbie Schuman
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		



EQUITABLE RESOURCES
ENERGY COMPANY

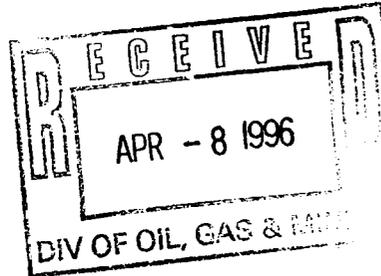
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ	✓
2	DPS 8-FILE	✓
3	VLG/GTI	✓
4	RJH	✓
5	LEP	✓
6	FILM	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator **KKK Operator Name Change Only**

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	<u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-31408</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yes 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Schem Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/20/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
sent to Ed Bonner - Trust Lands

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/20/10 BLM/BIA "Formal approval not necessary"

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	16E	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N

STATE OF UTAH
 Division of Oil, Gas and Mining
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>12/16/96</u>	Well Owner/Operator: <u>EQUITABLE RESOURCES</u>
Disposal Well: _____	Enhanced Recovery Well: <u>WIW</u> Other: _____
API No.: <u>43-013-31408</u>	Well Name/Number: <u>BALCON MONUMENT FED #41-14.J</u>
Section: <u>14</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: 0 ~~800 PSI~~ Pressure: 800 psi
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>1000 PSI</u>	<u>800 PSI</u>
5	<u>1000 PSI</u>	<u>800 PSI</u>
10	<u>1000 PSI</u>	<u>800 PSI</u>
15	<u>1000 PSI</u>	<u>800 PSI</u>
20	<u>1000 PSI</u>	<u>800 PSI</u>
25	<u>1000 PSI</u>	<u>800 PSI</u>
30	<u>1000 PSI</u>	<u>800 PSI</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 800 psi
 Casing/Tubing Annulus Pressure: 1000 psi

REMARKS:

No Leaks - looks good!

[Signature]
 Operator Representative

[Signature]
 DOGM Witness



EQUITABLE RESOURCES
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

February 10, 1997

Mr. Dan Jarvis
State of Utah
UIC Program
Division of Oil, Gas and Mining
1594 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Dear Mr. Jarvis:

Attached are copies of the results of Mechanical Integrity Tests (MIT)
recently run on the following wells:

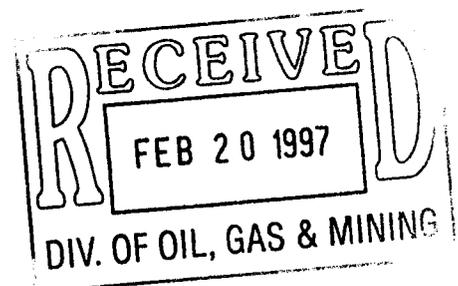
Balcron Monument Federal #41-14J
Monument State #14-2
Monument State #22-2
Monument Federal #11-7J

Sincerely,

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs
Attachments

cc: Bureau of Land Management (Vernal, UT)
U.S. Environmental Protection Agency (MAIL CODE: 8 WM-DW)



STATE OF UTAH
 Division of Oil, Gas and Mining
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>5/7/97</u>	Well Owner/Operator: <u>H-14 J - Eymahle</u>	
Disposal Well: _____	Enhanced Recovery Well: <u>X</u>	Other: _____
API No.: 43- <u>013-31408</u>	Well Name/Number: <u>H-14 J</u>	
Section: <u>14</u>	Township: <u>76</u>	Range: <u>16 E</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: _____ psi

Casing/Tubing Annulus - Pressure: _____ psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>1000</u>	<u>1600</u>
5	<u>1000</u>	<u>1600</u>
10	<u>1000</u>	<u>1600</u>
15	<u>1000</u>	<u>1600</u>
20	<u>1000</u>	<u>1600</u>
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi

Casing/Tubing Annulus Pressure: _____ psi

REMARKS:

Well had been pressured to 1000 24 hrs
prior. Passed MIT

[Signature]
 Operator Representative

[Signature]
 DOGM Witness

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MAY 12 1997
DIV. OF OIL, GAS & MINING

5-7-97 Copy to:
Utah UIC
Fernal B&M/ro

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: 5/7/97 Well Owner/Operator: Exquisite
 Disposal Well: _____ Enhanced Recovery Well: X Other: _____
 API No.: 43-013-31408 Well Name/Number: 41-14 J
 Section: 14 Township: 9S Range: 16E

Initial Conditions:

Tubing - Rate: _____ Pressure: _____ psi
 Casing/Tubing Annulus - Pressure: _____ psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1000	1600
5	1000	1600
10	1000	1600
15	1000	1600
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/fail

Conditions After Test:

Tubing Pressure: _____ psi
 Casing/Tubing Annulus Pressure: _____ psi

REMARKS: Well was pressured to 1000 psi 24 hrs prior
still holding 1000 - passed MIT.

[Signature]
Operator Representative

[Signature]
DOG M Witness

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

County:

State:

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OCT 13 1997

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandon *
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

(This space for State use only)



**EQUITABLE RESOURCES
ENERGY COMPANY**

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

A handwritten signature in cursive script that reads "Molly Conrad". The signature is written in black ink and is positioned above the typed name.

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.

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OCT 10 1997

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OCT 13 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached ****JONAH (GREEN RIVER) UNIT**
Field or Unit name: See Attached API no. See Attached
Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached
Effective Date of Transfer: September 30, 1997

CURRENT OPERATOR

Transfer approved by:

Name David M. McCoskery Company Equitable Resources Energy Co.
Signature [Signature] Address 1601 Lewis Avenue
Title Director of Operations & Engineering Billings, MT 59102
Date 9-30-97 Phone (406) 259-7860'

Comments:

NEW OPERATOR

Transfer approved by:

Name Chris A. Potter Company Inland Production Company
Signature [Signature] Address 475 - 17th Street, Suite 1500
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202
Date 9-30-97 Phone (303) 292-0900

Comments:

(State use only)

Transfer approved by [Signature] Title Executive Manager

Approval Date 1-20-98

CAUSE # 228-2

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OCT 20 1997
DIV OF OIL & GAS

Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
JAN 14 1998
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO
UT-931

January 13, 1998

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

Re: Jonah (Green River) Unit
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Jonah (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENER
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENER
UTU72086A	430133140600X1	21-12J	NENW	12	9S	16E	ABD	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133142200X1	21-15J	NENW	15	9S	16E	ABD	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER

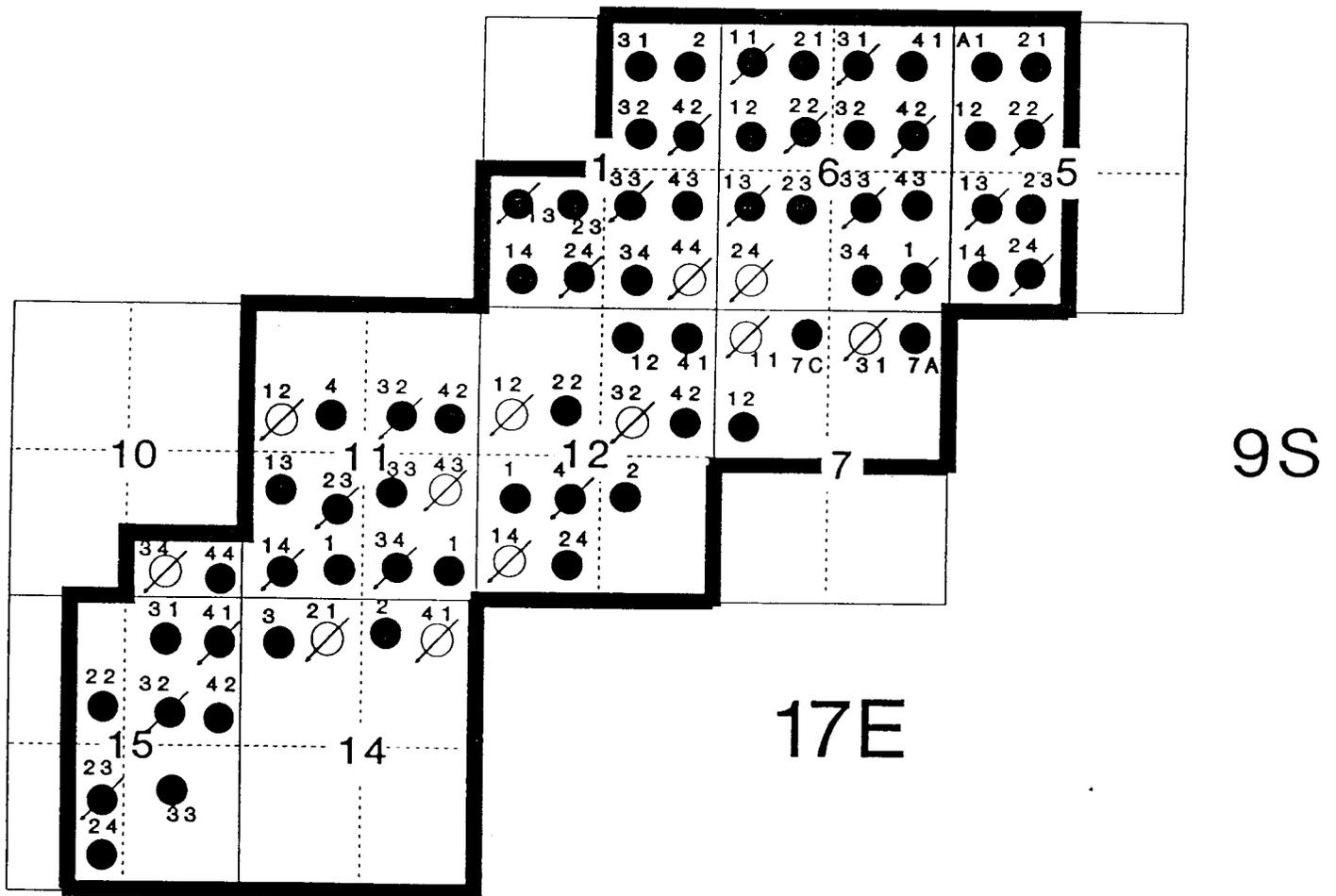
WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

JONAH (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



16E

17E

9S

— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY ALLOCATION FEDERAL 100.00%
--

OPERATOR CHANGE WORKSHEET

Routing	
1-IPC	6-APC
2-CH	7-KAS
3-DTS	8-SK
4-VLD	9-FILE
5-JRB	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&G SVS</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

***JONAH (GREEN RIVER) UNIT**

Name: **SEE ATTACHED**	API: <u>43-013-31408</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) _____ If yes, show company file number: _____
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) * UIC/Qua Hro Pro 1-14-98 & UIC/DBase 1-14-98.*
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y/ce 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
Entity 11492 "Jonah (ER) Unit"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A/Y/ce 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A/Y/ce 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- Y/S 1. All attachments to this form have been **microfilmed**. Today's date: 2-3-98.

FILING

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

980114 B/Lm/S/L Aprv. e.H. 1-13-98.

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	✓43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	✓43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	✓43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	✓43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	✓43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
EQUITABLE RE	43-013-30666	44-7	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31382	13-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31427	33-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30675	24-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30643	44-8-17B	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31580	13-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30616	11-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30518	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30516	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31467	42-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N

INJECTION WELL - PRESSURE TEST

Well Name: BALCON MDS FED 41-14J API Number: 43-013-31408
 Qtr/Qtr: NE/NE Section: 14 Township: 9S Range: 16E
 Company Name: INLAND PRODUCTION COMPANY
 Lease: State _____ Fee _____ Federal U-096550 Indian _____
 Inspector: Denno L. Ingram Date: 06-01-00

Initial Conditions:

Tubing - Rate: _____ Pressure: 1860 psi
 Casing/Tubing Annulus - Pressure: 1055 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1055 PSI</u>	<u>1860 PSI</u>
5	<u>1055 "</u>	<u>1860 PSI</u>
10	<u>1055 "</u>	<u>1860 "</u>
15	<u>1055 "</u>	<u>1860 "</u>
20	<u>1055 "</u>	<u>1860 "</u>
25	<u>1055 "</u>	<u>1860 "</u>
30	<u>1055 "</u>	<u>1860 "</u>

Results: Pass / Fail

Conditions After Test:

Tubing Pressure: 1860 psi
 Casing/Tubing Annulus Pressure: 1055 psi

COMMENTS: TESTED FOR 5 year Rule. Injecting during test @ 20.86 BPD. also put test on chart

TESTED @ 11:00 AM TO 11:30

Ray Reddell
Operator Representative

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-096550	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		7. UNIT AGREEMENT NAME JONAH	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/NE 0363 FNL 0600 FEL		8. FARM OR LEASE NAME MONUMENT FEDERAL 41-14J	
14. API NUMBER 43-013-31408		9. WELL NO. MONUMENT FEDERAL 41-14J	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5529 GR		10. FIELD AND POOL OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/NE Section 14, T09S R16E	
		12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>5-Year M.I.T.</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A MIT was performed on the subject well to fulfill the 5 year requirement. Mr. Dennis Ingram of the State DOGM was notified of the intent to conduct an MIT on May 30, 2000. On June 1, 2000 the casing annulus was pressured to 1055 psi and maintained for 30 minutes with no pressure loss. Mr. Ingram was able to witness and approved the test.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Jody Liddell</u>	TITLE <u>Production Foreman</u>	DATE <u>6/2/00</u>
----------------------------	---------------------------------	--------------------

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COPY SENT TO OIL LABEL
Date: 6-6-00
Initials: JLD

* See Instructions On Reverse Side

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 6/5/00
By: [Signature]

FILED
JUN 2 2000
CUL, OIL & GAS DIVISION

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Dennis Ingram Date 6/1/00 Time 11:00 (am) pm

Test Conducted by: Roy Liddell

Others Present: _____

Well: Monument Fed 41-146-9-16 Field: Monument Butte
Well Location: NE/NE SEC, 14, T9S, R16E API No: 43-013-31408
Duchesne Co, Utah

Time	Casing Pressure
0 min	<u>1055</u> psig
5	<u>1055</u> psig
10	<u>1055</u> psig
15	<u>1055</u> psig
20	<u>1055</u> psig
25	<u>1055</u> psig
30 min	<u>1055</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

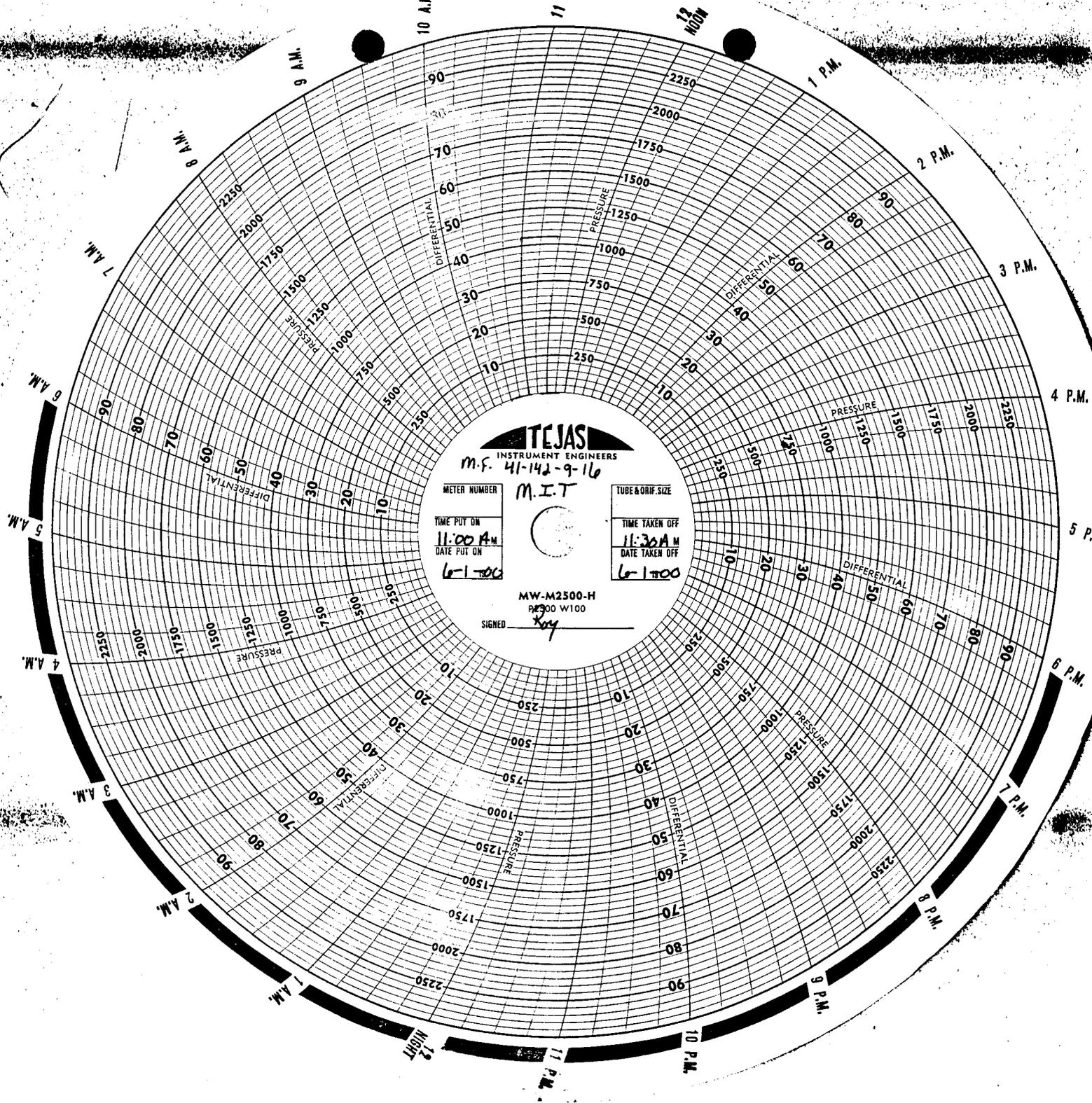
RECORDED
JUN 25 2000
DIVISION OF
OIL, GAS AND MINING

Tubing pressure: 1860 psig Injecting @ 20.86 BPD

Result: Pass Fail

Signature of Witness: Dennis L Ingram

Signature of Person Conducting Test: Roy Liddell



RECORDED

2010400

DIVISION OF
C.I.L. CHEMICALS LIMITED



Office of the Secretary of State

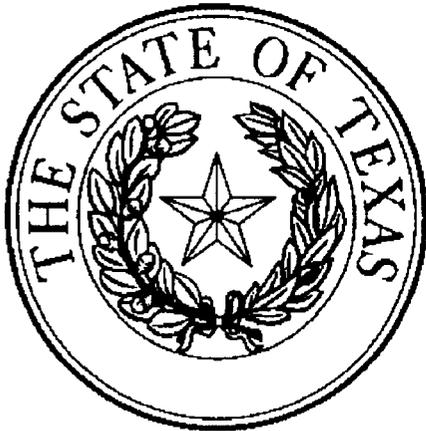
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

“ARTICLE ONE – The name of the corporation is Newfield Production Company.”

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04
 Title: Perk. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED
SEP 20 2004
DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

CA No.

Unit:

JONAH (GREEN RIVER)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injection well		5. Lease Serial No. UTU096550
2. Name of Operator Newfield Production Company		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. JONAH UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 0363 FNL 0600 FEL NE/NE Section 14 T9S R16E		8. Well Name and No. MON FED 41-14J
		9. API Well No. 4301331408
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	5 Year MIT
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 4/19/05 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 4/21/05. On 4/21/05 the csg was pressured up to 1110 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 2100 psig during the test. There was not a State representative available to witness the test. API# 43-013-31408.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 05-10-05
By: *[Signature]*

RECEIVED

MAY 06 2005

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Kathy Chapman	Title Office Manager
Signature <i>Kathy Chapman</i>	Date 05/04/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 4/21/05 Time 1:00 am pm

Test Conducted by: J.D. Horrocks

Others Present: _____

Well: Balcron Monument Federal 41-145-9-16

Field: Jonah unit

Well Location: NE/NE Sec. 14 T9S R16E

API No: _____

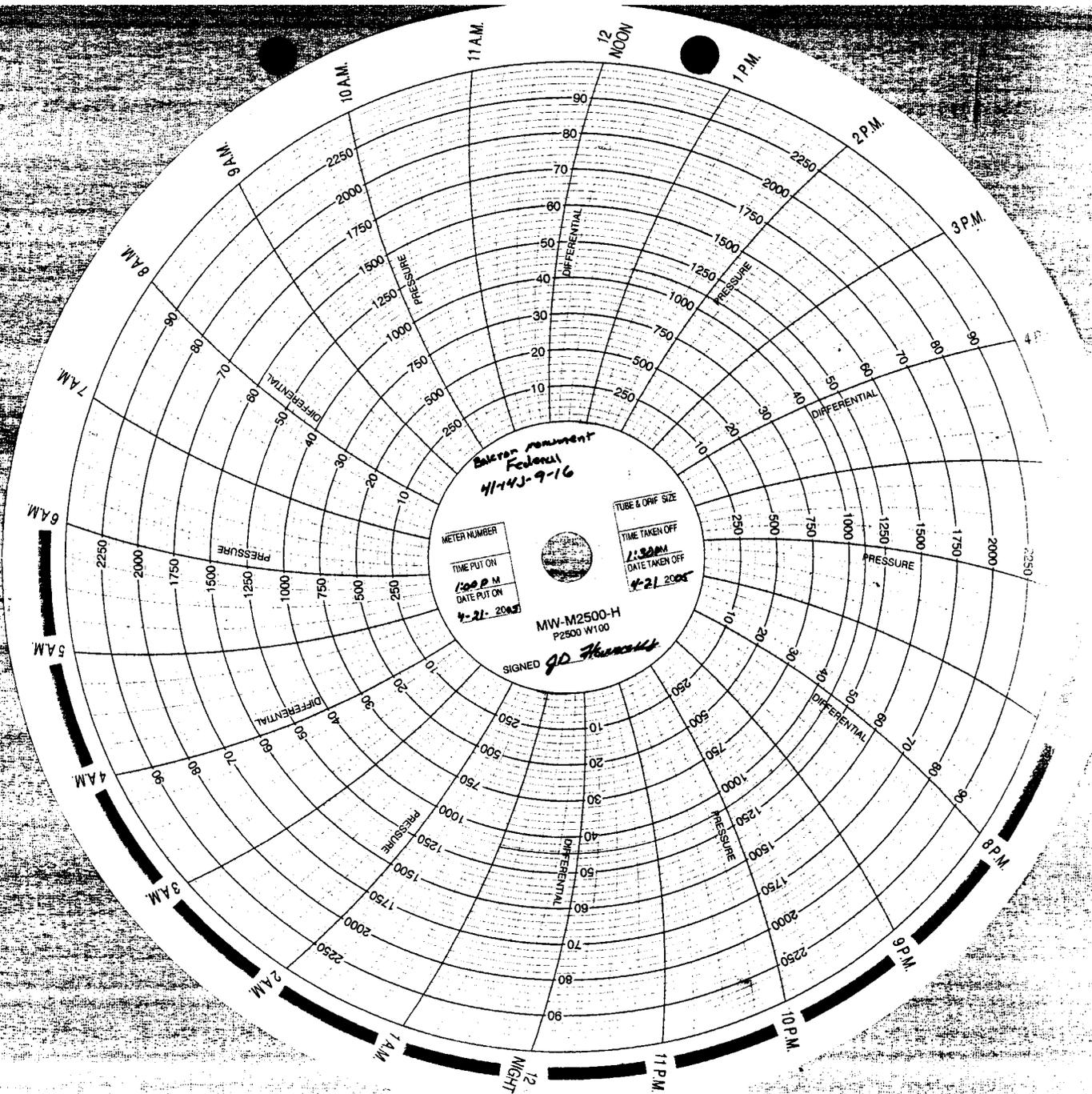
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1110</u>	psig
5	<u>1110</u>	psig
10	<u>1110</u>	psig
15	<u>1110</u>	psig
20	<u>1110</u>	psig
25	<u>1110</u>	psig
30 min	<u>1110</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2100 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: J.D. Horrocks



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-096550

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
MON FED 41-14J

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331408

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 363 FNL 600 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 14, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>04/08/2010</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 04/07/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 04/07/2010. On 04/08/2010 the casing was pressured up to 1690 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1939 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31408

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 4-19-10

By: [Signature]

COPY SENT TO OPERATOR

Date: 5-4-2010

Initials: KS

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE [Signature]

DATE 04/12/2010

(This space for State use only)

RECEIVED
APR 15 2010

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 4 18 110 Time 12:30 am

Test Conducted by: Cole Harris

Others Present: Scott Sims

Well: <u>MONUMENT Federal 41-143-9-18</u>	Field: <u>MONUMENT BUTTE Duchesne, UT</u>
Well Location: <u>NE/NE Sec 14, T9S, R16E</u>	API No: <u>43-013-31408</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1690</u>	psig
5	<u>1690</u>	psig
10	<u>1690</u>	psig
15	<u>1690</u>	psig
20	<u>1690</u>	psig
25	<u>1690</u>	psig
30 min	<u>1690</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1139 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Cole Harris

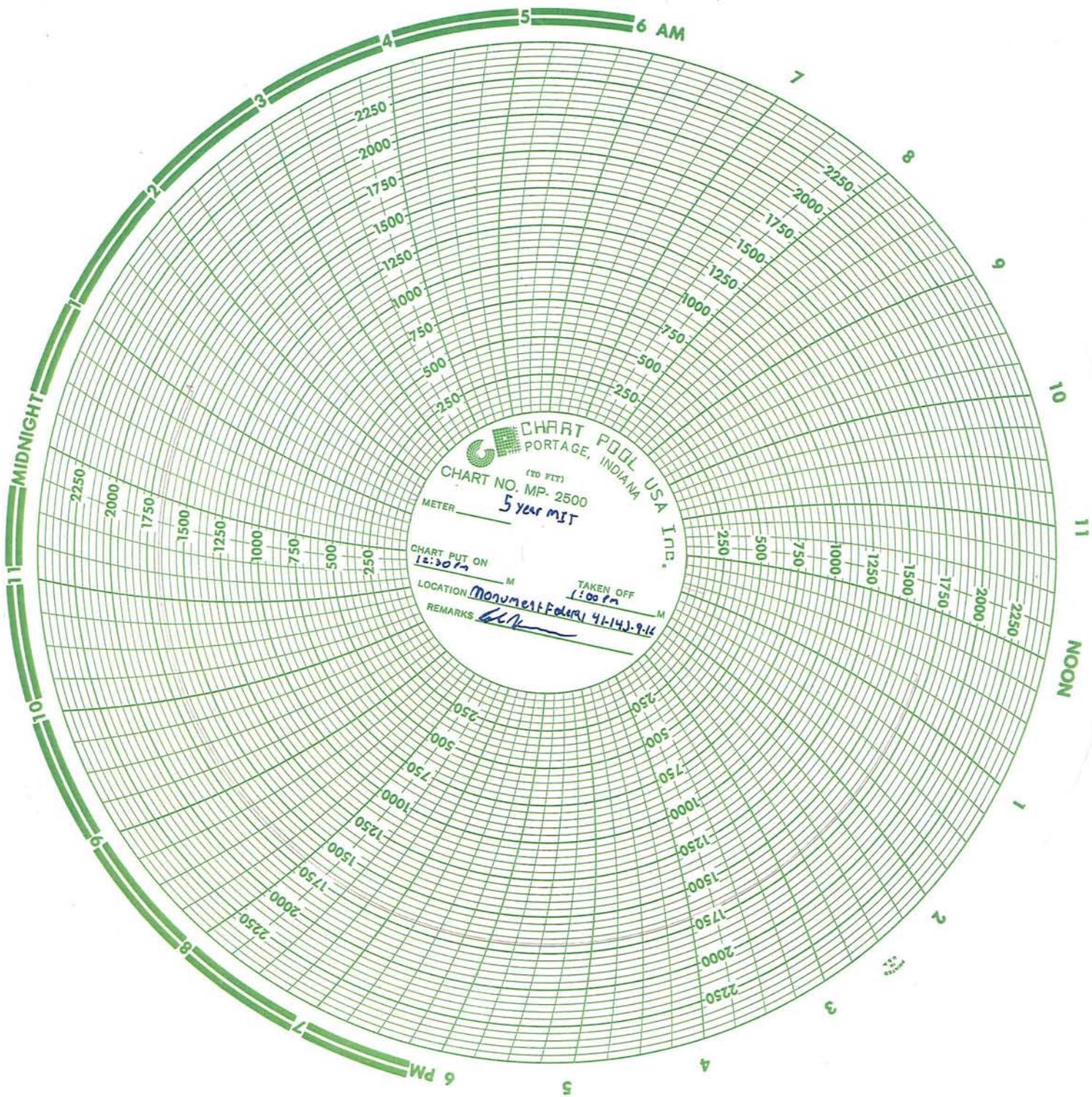


CHART POOL USA INC.
PORTAGE, INDIANA
(70 FT)
CHART NO. MP. 2500
METER 5 year MST
CHART PUT ON 12:00 PM M
LOCATION Monument Federal M
TAKEN OFF 1:00 PM M
REMARKS 6/11

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-096550
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: MON FED 41-14J
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013314080000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0363 FNL 0600 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/12/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 YR MIT"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 03/11/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 03/12/2015 the casing was pressured up to 1178 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1500 psig during the test. There was a State representative available to witness the test - Mark Jones.</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 16, 2015</p>
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 3/16/2015

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Mark J Jones Date 3/12/15 Time 10:00 am pm
Test Conducted by: Jonny Daniels
Others Present: _____

Well: <u>Mon. 41-143-9-10</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE/NE Sec. 14, T4S, R10E</u> <u>Duchesne County</u>	API No: <u>43-013-31408</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1179</u>	psig
5	<u>1178</u>	psig
10	<u>1178</u>	psig
15	<u>1178</u>	psig
20	<u>1178</u>	psig
25	<u>1179</u>	psig
30 min	<u>1178</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

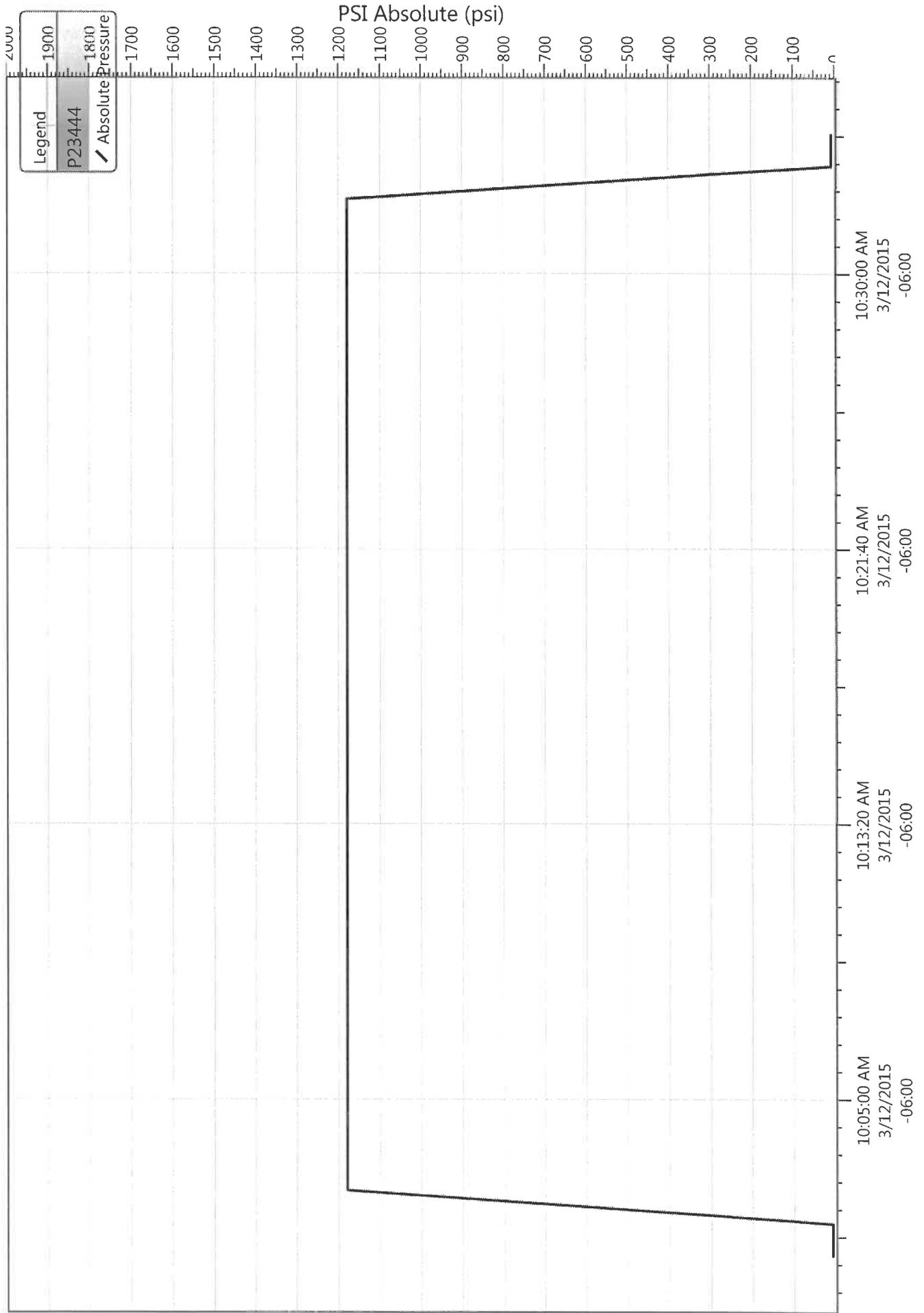
Tubing pressure: 1500 psig

Result: Pass Fail

Signature of Witness: Mark J Jones (U506M)
Signature of Person Conducting Test: Jonny Daniels

Monument Federal 41-14j-9-16

3/12/2015 10:00:06 AM



Spud Date: 12.01.93
 Put on Production: 1.07.94
 Put on Injection: 10/29/94
 GL: 5529' KB: 5539'

Monument Fed. 41-14J-9-16

Initial Production 20 BOPD,
 60 MCFD, 10 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (271.04')
 DEPTH LANDED: 279'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 svs Class "G" cmt, est 4 bbls crnt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 131 jts (5637.81')
 DEPTH LANDED: 5646.81' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 225 svs Hi-Lift & 261 svs Class "G"
 CEMENT TOP AT: 210' per CBL

TUBING

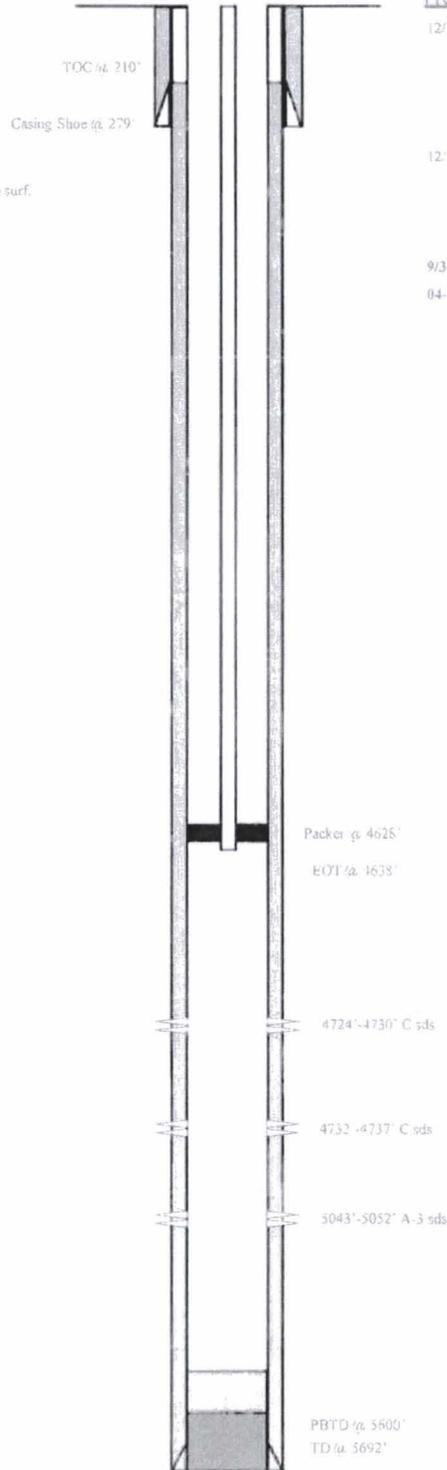
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 149 jts (4627.28')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4627.3' KB
 2 7/8" x 2 3/8" CROSS-OVER: 4628.4' KB
 PACKER: 4628.5' KB
 TOTAL STRING LENGTH: EOT @ 4638'

FRAC JOB

12/23/93 5043'-5052' **Frac sand as follows:**
 12,500# 20/40 sand + 6,500# 16/30 sand in
 194 bbls 2% KCl fluid. Treated @ avg
 press of 2300 psi w/avg rate of 19 BPM. ISIP
 2800 psi. Calc. flush: 5043 gal, Actual flush:
 1344 gal. Screened out.

12/28/93 4724'-4737' **Frac sand as follows:**
 27,500# 16/30 sand in 354 bbls 2% KCl fluid.
 Treated @ avg press of 2100 psi w/avg rate of
 19.5 BPM. ISIP 2100 psi. Calc. flush: 4724
 gal, Actual flush: 4660 gal

9/30/08 **Zone Stimulation.**
 04-08-10 **5 YR MIT**



PERFORATION RECORD

Date	Interval	Type	Holes
12/22/93	5043'-5052'	2 ISPF	18 holes
12/28/93	4732'-4737'	2 ISPF	10 holes
12/28/93	4724'-4730'	2 ISPF	12 holes

NEWFIELD

Monument Fed. 41-14J-9-16
 363' FNL & 600' FEL
 NENE Section 14-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31408; Lease #U-096550